WEST RIDGE MINE

007/041

CHANGE TO THE MINING AND RECLAMATION PLAN

TO ALLOW:

LONGWALL MINING WITHIN PANEL BLOCK 18-21

IN THE
PENTA CREEK FEE LEASE

RESPONSE TO DEFICIENCIES

(TASK #3733)

and

SUBMITTAL OF CLEAN COPIES

SUBMITTED: FEBRUARY MARCH 10, 2011

COVER LETTER.....C1/C2 FORMS

42777 #2777





P.O. Box 910, East Carbon, Utah 84520 Telephone (435) 888-4000 Fax (435) 888-4002

Utah Division of Oil, Gas & Mining Utah Coal Program 1594 West North Temple, Suite 1210 P.O.Box 145801 Salt Lake City, UT 84114-5801 Mach 10, 2011

Attn: Daron Haddock

Permit Supervisor

Re: West Ridge Mine C/007/041

Permit Change for Longwall Panels North of Grassy Trail Reservoir

Longwall Panel Block 18 thru 21 Penta Creek Fee Lease Extension Response to Deficiencies, Task #3733

Dear Mr. Haddock:

Enclosed are seven (7 ea.) clean copies of a change to the West Ridge MRP, which includes the response to deficiencies, Task #3733. This change is to allow longwall mining within the newly-acquired Penta Creek Fee Lease Extension and federal lease UTU-78562 north of the Grassy Trail reservoir, and development mining within SITLA lease ML-51744in 2006. Based on discussions and agreement with Steve Christensen, in an effort to shorten the turnaround time involved for approval, this submittal includes the clean copies.

If you have questions or comments please contact me at (435) 888-4017.

David Shaver

Sinderely,

Resident Agent

RECEIVED

MAR 1 4 2011

DIV. OF OIL, GAS & MINING

Yes □ No 13. Does the application require or include collection and reporting of any baseline information? **₽**No □ Yes 14. Could the application have any effect on wildlife or vegetation outside the current disturbed area? □ No □ Yes 15. Does application require or include soil removal, storage or placement? **d** No □ Yes 16. Does the application require or include vegetation monitoring, removal or revegetation activities?

17. Does the application require or include construction, modification, or removal of surface facilities? **№** No 18. Does the application require or include water monitoring, sediment or drainage control measures?

19. Does the application require or include certified designs, maps, or calculations?

□ No 20. Does the application require or include subsidence control or monitoring?

No □ Yes 21. Have reclamation costs for bonding been provided for?

₩No □ Yes 22. Does application involve a perennial stream, a stream buffer zone or discharges to a stream?

₩No □ Yes 23. Does the application affect permits issued by other agencies or permits issued to other entities?

□ Attach 3 complete copies of the application,

I hereby certify that I am a responsible official of the a licant and that the information contained in this application is true and correct to the best of my information and belief in all respects with the laws of Utah in reference to commitments, undertailings, and foligations, herein. (R645-301-123)

- Name - Position - Date

No

□ No

□ Yes

□ Yes

Yes

Yes

March 27, 2013



Notary Public State of Utah

Received by Oil, Gas & Mining RECEIVED

MAR 1 4 2011

DIV. OF CIL, GAS 2 SAINING

ASSIGNED TRACKING NUMBER

Application for Permit Processing **Detailed Schedule of Changes to the MRP**

Title of Application:

Change to the MRP to allow longwall mining in panel block 18-21,

Penta Creek fee lease, Response to deficiencies, Task 3733, and clean copies

Permit Number:

C/007/041

Mine: WEST RIDGE MINE

Permittee: WEST RIDGE RESOURCES

Provide a detailed listing of all changes to the mining and reclamation plan which will be required as a result of this proposed permit application. Individually list all maps and drawings which are to be added, replaced, or removed from the plan. Include changes of the table of contents, section of the plan, pages, or other information as needed to specifically locate, identify and revise the existing mining and reclamation plan. Include page, section and drawing numbers as part of the description.

			DESCRIPTION OF MAP, TEXT, OR MATERIALS TO BE CHANGED
□ ADD	REPLACE	□ REMOVE	Chapter 1: all text
□ ADD	□ REPLACE	□ REMOVE	
□ ADD	REPLACE	□ REMOVE	Chapter 5: pgs 5-10, 5-0, 5-8 5-10, 5-15,
□ ADD	□ REPLACE	□ REMOVE	5-26 thru 5-29
□ ADD	□ REPLACE	□ REMOVE	
□ ADD	REPLACE	□ REMOVE	Chapter 7: all text (for pagination)
□ ADD	□ REPLACE	□ REMOVE	
XADD	□ REPLACE	□ REMOVE	Appendix 5-3C: BLM RZPZ Approval
ADD	□ REPLACE	□ REMOVE	Appendix S-10: SITLA Mine Plan Approval
ADD	□ REPLACE	□ REMOVE	Appendix 5-13A & Grassy Trail Dum
□ ADD	□ REPLACE	□ REMOVE	Monitoring / Inspection Alan
□ ADD	□ REPLACE	□ REMOVE	Panel Block 18-21
ADD	□ REPLACE	□ REMOVE	Appendix 5-16 Grassy Trail Dam
□ ADD	□ REPLACE	□ REMOVE	Scismicity Report, 2008 BBAG
ADD	□ REPLACE	□ REMOVE	Appendix 5-17 Grassy Trail Dan
_ ADD	□ REPLACE	□ REMOVE	Seismicity Undate Report, 2010 RB+G
□ ADD	□ REPLACE	□ REMOVE	
□ ADD	REPLACE	□ REMOVE	Appendix 7-5 Water Rights Summary
)⊠ ADD	□ REPLACE	□ REMOVE	Appendix 7-6A 1999 and 2010 Seep/Springer
□ ADD	□ REPLACE	□ REMOVE	Appendix 7-14, Grassy Trial Right Fork
□ ADD	□ REPLACE	□ REMOVE	Hictorical 1=10W Data
□ ADD	□ REPLACE	□ REMOVE	
□ ADD	□ REPLACE	□ REMOVE	

Any other specific or special instructions required for insertion of this proposal into the Mining and Reclamation Plan?

Application for Permit Processing Detailed Schedule of Changes to the MRP

	_	_		
Title	Λf	Ann	dian	tion.
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Change to the MRP to allow longwall mining in panel block 18-21,

Permit Number:

C/007/041

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Provide a detailed listing of all changes to the mining and reclamation plan which will be required as a result of this proposed permit application. Individually list all maps and drawings which are to be added, replaced, or removed from the plan. Include changes of the table of contents, section of the plan, pages, or other information as needed to specifically locate, identify and revise the existing mining and reclamation plan. Include page, section and drawing numbers as part of the description.

			DESCRIPTION OF MAP, TEXT, OR MATERIALS TO BE CHANGED
□ ADD	□ REPLACE	□ REMOVE	
□ ADD	□ REPLACE	□ REMOVE	Maps: 1-0/1-1, 2-1, 3-1 3-4A 3-4B,
□ ADD	□ REPLACE	□ REMOVE	3.4C, 3-4D, 4-1, 4-2 (1m
□ ADD	□ REPLACE	□ REMOVE	Confidential buder 1, 5-2, 5-3
□ ADD	□ REPLACE	□ REMOVE	5-4A, 5-4B, 5-7, 6-1, 6-2
□ ADD	□ REPLACE	□ REMOVE	6-3, 7-3, 7-5, 7-6, 7-7
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Any other specific or special instructions required for insertion of this proposal into the Mining and Reclamation Plan?

CHAPTER 1....REPLACEMENT PAGES

~WEST RIDGE MINE - PERMIT APPLICATION PACKAGE~

TABLE OF CONTENTS- CHAPTER 1 R645-301-100 PERMIT APPLICATION REQUIREMENTS: GENERAL CONTENTS

REGULATION N	JMBER CONTENTS	PAGE NUMBER
R645-301-112	Identification of Interests	
R645-301-113	Violation Information	
R645-301-114	Right of Entry Information	
	Table 1-1 Federal Coal Lease and Right-or Table 1-2 State (SITLA) Coal Lease and S Table 1-3 Penta Creek Fee Lease Propertie Table 1-4 Legal Description of Permit Are Table 1-5 Legal Description of Permit Are Table 1-6 Surface Ownership of Permit Are Table 1-7 Legal Description, Disturbed Are	Special Use Properties 10 es 11 ea, by Leasehold 12 ea, Total Area 14 rea 15
R645-301-115	Status of Unsuitability Claims	
R645-301-116	Permit Term	17
R645-301-117	Insurance, Proof of Publication and Facilities or Structures Used In Common	18
R645-301-118	Filing Fee	18
R645-301-123	Notarized Statement	
R645-301-130	Reporting Of Technical Data	
R645-301-142	Maps And Plans	

TABLE OF CONTENTS- APPENDICES R645-301-100 CHAPTER 1

APPENDIX NUMBER DESCRIPTION

APPENDIX 1-1	Certifications, Verifications, Publications
	Attachment 1-1 Certificate of Liability Insurance
	Attachment 1-2 Newspaper Advertisement
	Attachment 1-3 Proof of Publication
	Attachment 1-4 Filing Fee Verification
	Attachment 1-5 Verification Statement
APPENDIX 1-2	Violation Information
APPENDIX 1-3	Reference List
APPENDIX 1-4	Proof of Lease Assignment
APPENDIX 1-4A	Federal Lease SL-068754, U-01215
APPENDIX 1-4B	Federal Lease UTU-78562
APPENDIX 1-4C APPENDIX 1-4D	State Lease ML-47711
APPENDIX 1-4E	State Lease ML-49287
APPENDIX 1-4F	State Lease ML-51744
AITENDIA 1-41	Penta Creek Fee Lease
APPENDIX 1-5	Current and Previous Coal Mining Permits
APPENDIX 1-6	Consultation and Coordination
APPENDIX 1-7	Ownership and Control
APPENDIX 1-8	Letter from Carbon County
APPENDIX 1-9	*******Deleted*****
APPENDIX 1-10	SITLA - Special Use Lease (Topsoil Borrow Area)
APPENDIX 1-11	Material Deposit Special Use Lease Agreement
APPENDIX 1-12	Waterline/Pump House Right of Way
APPENDIX 1-13	Correspondence Regarding Security Gate
APPENDIX 1-14	********Moved******
APPENDIX 1-15	Legal Description of Grassy Trail Reservoir

TABLE OF CONTENTS- MAP LIST R645-301-100 CHAPTER 1

MAP NUMBER	DESCRIPTION	SCALE
MAP 1-0 MAP 1-1	Permit Map	1" = 2000'
MAP 1-1	Location Map	1" = 2000'

R645-301-100 PERMIT APPLICATION REQUIREMENTS: GENERAL CONTENTS

SCOPE

The objective of this chapter is to set forth all relevant information concerning ownership and control of WEST RIDGE Resources, Inc., the ownership and control of the property to be affected by mining activities and all other information and documentation required under Part UMC.

R645-301-112 IDENTIFICATION OF INTERESTS

WEST RIDGE Resources, Inc. is a corporation organized and existing under the laws of Utah and qualified to do business in Utah.

The applicant, WEST RIDGE Resources, Inc. will also be the operator.

WEST RIDGE Resources, Inc. P.O. Box 910 East Carbon, Utah 84520 (435) 888-4000 David Hibbs - President

Employer Identification Number: 87-0585129

The resident agent of the applicant, WEST RIDGE Resources, Inc., is:

Dave Shaver WEST RIDGE Resources, Inc. P.0. Box 910 East Carbon, Utah 84520

(435) 888-4000

112.230 WEST RIDGE Resources, Inc. will pay the abandoned mine land reclamation fee.

112.300 Ownership and Control - See Appendix 1-7

WEST RIDGE Resources, Inc. is the permittee and operator of the WEST RIDGE Mine. WEST RIDGE Resources, Inc. is a wholly owned subsidiary of ANDALEX Resources, Inc.. WEST RIDGE Resources, Inc. is a Utah corporation licensed to do business in the State of Utah. All leases associated with the WEST RIDGE Mine are owned by ANDALEX Resources, Inc. ANDALEX Resources, Inc, is a wholly owned subsidiary of UtahAmerican Energy Inc., which in turn is a wholly owned subsidiary of Murray Energy Corporation.

112.340	See Appendix 1-5
112.350	See Appendix 1-5
112.410	See Appendix 1-5
112.420	See Appendix 1-7
112.500	Surface Owners:

Bureau of Land Management Utah State Office 136 East South Temple Salt Lake City, Utah 84111

Glen Wells 700 West U.S. Hwy 6 Price, Utah 84501

Penta Creek, LLC 140 S. Newton Albert Lea, MN 56007

Dave Hinkins 155 West 100 South Orangeville, Utah 84537 School and Institutional Trust Lands Administration 355 West North Temple, Suite 400 Salt Lake City, Utah 84180-1204

Matt Rauhala 1236 East Main Price, Utah 84501

Subsurface Owners:

Bureau of Land Management Utah State Office 136 East South Temple Salt Lake City, Utah 84111

Penta Creek, LLC 140 S. Newton Albert Lea, MN 56007

School and Institutional Trust Lands Administration 355 West North Temple, Suite 400 Salt Lake City, Utah 84180-1204

WEST RIDGE Resources, Inc. is the holder of record for federal lease SL-068754 and UTU 78562 (see Table 1-1), state lease ML 47711 and ML 49287 (see Table 1-2A) and the Penta Creek Fee lease (see Table 1-2B).

Proof of lease assignment for all leases (Federal leases SL-068754 and UTU 78562, and State leases ML 47711 and ML 49287), and the Penta Creek fee lease can be found in Appendix 1-4.

112.600 Contiguous surface owners:

Bureau of Land Management Utah State Office 136 East South Temple Salt Lake City, Utah 84111

Dave Hinkins 155 West 100 South Orangeville, Utah 84537 Glen Wells 700 West U.S. Hwy 6 Price, Utah 84501 Penta Creek, LLC 140 S. Newton Albert Lea, MN 56007

School and Institutional Trust Lands Administration 355 West North Temple, Suite 400 Salt Lake City, Utah 84180-1204

Contiguous subsurface owners:

School and Institutional Trust Lands Administration 355 West North Temple, Suite 400 Salt Lake City, Utah 84180-1204

Penta Creek, LLC 140 S. Newton Albert Lea, MN 56007

Dave Hinkins 155 West 100 South Orangeville, Utah 84537

Bureau of Land Management Utah State Office 136 East South Temple Salt Lake City, Utah 84111

112.700 See Appendix 1-	5
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There are no pending interests or bids existing on lands contiguous to the present leased area.

After WEST RIDGE Resources, Inc. is notified that the application is approved, but before the permit is issued, WEST RIDGE Resources, Inc. will update, correct or indicate that no change has occurred in the information previously submitted under R645-301-112.100 through R645-301-112.800.

R645-301-113 VIOLATION INFORMATION

- The applicant or any subsidiary, affiliate or persons controlled by or under common control with the applicant has not had a federal or state permit to conduct coal mining and reclamation operations suspended or revoked in the five years preceding the date of submission of the application.
- The applicant etc. has not forfeited any performance bond or similar security
- Not applicable
- A listing of violations received by the applicant in connection with any coal mining and reclamation operation during the three year period preceding the application date is provided in Appendix 1-2. MSHA numbers for the operations can be found in Appendix 1-5. There have been no unabated violations or cessation orders issued to any affiliated companies during the previous three years.
- After WEST RIDGE Resources, Inc. is notified that the application is approved, but before the permit is issued, WEST RIDGE Resources, Inc. will update, correct or indicate that no change has occurred in the information previously submitted under R645-301-113.

R645-301-114 RIGHT OF ENTRY INFORMATION

WEST RIDGE Resources, Inc., currently holds 4,899.92 acres of federal coal (2,650.67 acres leased under SL-068754 and 2249.25 acres leased under UTU 78562) in the Book Cliffs coal field (refer to Maps 1-0 and 5-3). A complete legal description of all Federal leases held by WEST RIDGE is found in Table 1-1. WEST RIDGE currently holds 2162.34 acres of state coal (801.24 acres under ML 47711, 881.10 under ML 49287, and 480 acres under ML 51744. A complete legal description of all State leases held by WEST RIDGE is found in Table 1-2. WEST RIDGE also holds a 734.44 acre lease on contiguous private (fee) coal lands located along the eastern side of the mineable reserve. A complete legal description of this fee lease is found in Table 1-3. None of these leases are the subject of any pending litigation. Proof of lease assignment for all leases can be found in Appendix 1-4.

WEST RIDGE Resources, Inc. bases its legal right to enter and conduct mining activities in the permit area pursuant to the language contained in the Federal Coal Lease, Part I Lease Rights Granted which reads as follows:

"That the lessor, in consideration of the rents and royalties to be paid and the covenants to be observed as hereinafter set forth, does hereby grant and lease to the

lessee the exclusive right and privilege to mine and dispose of all the coal in, upon, or under the following described tracts of land, situated in the State of Utah... together with the right to construct all such works, buildings, plants, structures and appliances as may be necessary and convenient for the mining and preparation of the coal for market, the manufacture of coke or other products of coal, the housing and welfare of employees, and subject to the conditions herein provided, to use so much of the surface as may reasonably be required in the exercise of the rights and privileges herein granted."

In addition to the coal leases, WEST RIDGE also holds several surface use permits as part of the operation, including:

- 1) SITLA Special Use Lease Agreement No. 1163. The substitute topsoil borrow area, which is also included within the permit area, is located on lands administered by the Utah School and Institutional Trust Lands Administration (SITLA). This area is located within the SE1/4 of section 16, T 14 S, R 13 E. SITLA has issued a long term special use permit to WEST RIDGE Resources, Inc. which provides full assurance that the topsoil resource in this area will be available for (and, indeed dedicated to) final reclamation of the West Ridge minesite if needed. This area is not contiguous with the main coal leasehold. (See Appendix 1-10 for details)
- 2) BLM Right-of-Way UTU-77120 This right-of-way authorizes the installation and operation of a pumping station used to facilitate the delivery of culinary water to the West Ridge Mine. This area is not contiguous with the main coal leasehold. (See Appendix 1-12 for details)
- 3) BLM Right-of-Way 87110 This right-of way authorizes the installation of three (3 ea.) catchment structures in the C Canyon drainage below the mine. These catchments are designed to provide containment of unanticipated coal-fines accumulations from the mine discharge water. These catchment structures comprises a total of 0.69 acres (Refer to Appendix 5-15 for details).

The permit area consists of the following areas:

- 1) all of federal coal leases SL-068754-U-01215 (2,650.67 acres)
- 2) all of federal coal lease UTU 78562 (2,249.25 acres),
- 3) all of state coal leases ML-47711 (801.24 acres)
- 4) all of state coal lease ML-49287 (881.10 acres)
- 5) much of state coal lease ML-51744 (212.5 acres)
- 6) much of the Penta Creek fee coal lease (510.55 acres)
- 7) SITLA surface lease 1163, for topsoil borrow area (9.6 acres).8) BLM right-of-way UTU-77120, for pumping station (0.23 acres)
- 9) BLM right-of-way UTU-87110, for catchment structures A, C and E (0.69 acres)
- 10) Carbon County authorization, road security gate (0.79 acres). See Appendix 1-13.

The total permit area is 7316.62 acres. Refer to Map 1-1 for the permit area location. Refer to Table 1-4 for the legal description of the permit area by composite leasehold, and Table1-5 for the legal description of the permit area in total area. Table 1-6 describes the surface ownership of the permit area.

Disturbed area within the permit area consists of the following;

1)	Minesite surface facilities	29.82 acres
2)	Pumping station	0.23 acres
3)	GVH installation	0.24 acres
4)	GVH topsoil storage	0.1 acres
5)	Catchment structures A	0.12 acres
6)	Catchment structures C	0.23 acres
7)	Catchment structures E	<u>0.23 acres</u>
	TOTAL	30.97 acres

See Table 1-7 for complete legal description of disturbed areas.

Not applicable, the fee lease mineral estate is not severed from the surface estate.

TABLE 1-1 FEDERAL LEASE and R.O.W. PROPERTIES

PARCEL	ACREAGE	LEGAL DESCRIPTION	
1) FEDERAL COAL LEASE SL-068754 (SL-068754-U-01215)	2,650.67	T 14 S, R 13 E	
(512-000754-0-01215)		Section 10: NE, E2NW, N2S	SE, SESE
		Section 11: All	
		Section 12: S2SW, NWSW	
		Section 13: S2, NW, S2NE,	NWNE
		Section 14: E2, N2NW, SENV	W
		Section 15: NENE	
		Section 24: N2, N2SE, NESW	7
2) FEDERAL COAL LEASE UTU-78562	2,249.25	T 13 S, R13 E	
		Section 34: NESE, S2SE	
		Section 35: All	
		T 14 S, R 13 E	
		Section 1: All	
		Section 12: Lots 1 thru 4, S2N2	, NESW, SE
		Section 13: NENE	
		T 14 S, R 14 E	
		Section 6: Lot 6, NESW	
		Section 7: Lots 3 and 4	
		Section 18: Lot 1, E2NW	
3) PUMPING STATION (BLM R.O.W. UTU-7712)	0.23	T 14 S, R 13 E	
		Section 21: NENE (0.23 acres the	ereof)

4) CATCHMENT STRUCTURE A (BLM R.O.W. UTU-87110)	0.23	T 14 S, R 13 E	
		Section 15:	SESW (0.23 acres therein)
5) CATCHMENT STRUCTURE C (BLM R.O.W. UTU-87110)	0.23	T 14 S	, R 13 E
		Section 28:	NWNW (0.23 acres therein)
6) CATCHMENT STRUCTURE E (BLM R.O.W. UTU-87110)	0.23	T 14 S	, R 12 E
		Section 25:	SESE (0.23 acres therein)

TOTAL FEDERAL

4900.84 acres

TABLE 1-2 STATE (SITLA) LEASE and SPECIAL USE PROPERTIES

PARCEL	ACREAGE	LEGAL DESC	CRIPTION
1) STATE LEASE ML 47711	801.24	T 14 S, R 13 E	
		Section 2:	Lots 1 thru 4, S2N2, S2 (i.e. All)
		T 13 S, R 13 E	
		Section 36:	sw
2) STATE COAL LEASE ML 49287	881.10	T 14 S, R 13 E	
		Section 3:	Lots 1, 2, 3, S2N2, S2
		Section 10:	W2NW, SW, SWSE
3) STATE COAL LEASE ML 51744	480	T 13 S, R 13 E	
		Section 36:	N2, SE
4) STATE SURFACE LEASE SPECIAL USE PERMIT (Agreement #1163)	9.6	T 14 S, R 13	
		Section. 16:	E2NESE (9.6 acres thereof, containing substitute topsil area)
TOTAL STATE	2171.94		

TABLE 1-3 FEE LEASE PROPERTIES (PENTA CREEK)

PARCEL ACREAGE LEGAL DESCRIPTION

1) PENTA CREEK FEE LEASE 382.08 T 14 S, R 14 E

Section 6: Lot 7, SESW

Section 7*: Lots 1* and 2*, NENW*, E2SW*,

SWSE

Section 18: Lots 2 and 3, NWNE

*Less and excepting from the portion of the above legal subdivisions in Section 7, those lands under and around Grassy Trail Dam and Reservoir owned by East Carbon City and Sunnyside City, such lands being more accurately described in Appendix 1-15.

2) PENTA CREEK LEASE EXTENSION 352.36 T 14 S, R 14 E

Section 6: Lots 2, 3, 4 and 5, SENW, SWNE,

NWSE, S2SE

TOTAL FEE LEASES: 734.44

TABLE 1-4 LEGAL DESCRIPTION OF PERMIT AREA (BY LEASEHOLD)

PARCEL	ACREAGE	LEGAL DES	CRIPTION
1) FEDERAL LEASE SL-068754 (SL-068754-U-01215)	2,650.67	T 14 S, R 13 E	3
		Section 10:	NE, E2NW, N2SE, SESE
		Section 11:	All
		Section 12:	S2SW, NWSW
		Section 13:	S2, NW, S2NE, NWNE
		Section 14:	E2, N2NW, SENW
		Section 15:	NENE
		Section 24:	N2, N2SE, NESW
2) FEDERAL LEASE UTU-78562	2249.25	T 13 S, R13 E	
		Section 34:	NESE, S2SE
		Section 35:	All
		T 14 S, R 13 E	
		Section 1:	All
		Section 12:	Lots 1 thru 4, S2N2, NESW, SE
		Section 13:	NENE
		T 14 S, R 14 E	
		Section 6:	Lot 6, NESW
		Section 7:	Lots 3 and 4
		Section 18:	Lot 1, E2NW
3) STATE LEASE ML 47711	801.24	T 14 S, R 13 E	
		Section 2:	Lots 1 thru 4, S2N2, S2
		T 13 S, R 13 E	
		Section 36:	sw

TABLE 1-4 (continued)

4) STATE LEASE ML 49287	881.10	T 14 S, R 13 E			
	001.10				
		Section 3:	Lots 1, 2 and 3, S2N2, S2		
		Section 10:	W2NW, SW, SWSE		
5) STATE LEASE ML 51744	212.5	T 13 S, R 13 E			
		Section 36:	SW, SWNWSWNW, S2S2NW, S2SWNE, W2SE, SESE, S2NESE, NWNESE		
6) PENTA CREEK FEE LEASE	238.17	T 14 S, R 14 E			
		Section 6:	Lot 7, SESW		
		Section 7*:	Lot 1*, SESW, SWNESW		
		Section 18:	Lots 2 and 3		
7) PENTA CREEK LEASE EXTENSION	272.38	T 14 S, R 14 E			
		Section 6	Lots 3, 4 and 5, SENW, SWNE, NWSE, SWSE		
8) PUMPING STATION (BLM R.O.W. UTU-7712)	0.23	T 14 S, R 13 E			
(223230111101017112)		Section 21	NESENE (0.23 acres thereof, containing pumping station)		
9) TOPSOIL SALVAGE AREA (SITLA special use agreement #1163)	9.6	T 14 S, R 13 E			
(STEEN special use agreement #1103)		Section 16:	E2NESE (9.6 acres thereof, containing substitute topsoil area)		
10) CATCHMENT STRUCTURE A (BLM R.O.W. UTU-87110)		T 14 S, R 13 E			
(======================================	0.23	Section 15:	SESW (0.23 acres thereof, containing catchment structure)		
11) CATCHMENT STRUCTURE C (BLM R.O.W. UTU-87110)		T 14 S, R 13 E			
(22.1100.m . 010-0/110)	0.23	Section 28:	NWNW (0.23 acres thereof, containing catchment structure)		
12) CATCHMENT STRUCTURE E (BLM R.O.W. UTU-87110)		T 14 S, R 12 E			
(0.23	Section 25:	SESE (0.23 acres thereof, containing catchment structure)		

13) SECURITY GATE

0.79

T 14 S, R 13 E

(Carbon County authorization)

Section 15:

NWSENE (0.79 acres thereof, containing

security gate)

TOTAL PERMIT AREA

7316.62 acres

^{*}Less and excepting from the portion of the above legal subdivisions in Section 7, those lands under and around Grassy Trail Dam and Reservoir owned by East Carbon City and Sunnyside City, such lands being more accurately described in Appendix 1-15.

TABLE 1-5 LEGAL DESCRIPTION OF PERMIT AREA (TOTAL AREA)

T13S, R13E	Section 34 Section 35 Section 36	NESE, S2SE All SW, SWNWSWNW, S2S2NW, S2SWNE, W2SE, SESE, S2NESE, NWNESE,
T14S, R12E	Section 25	SESE (part thereof containing catchment structure E)
T14S, R13E	Section 1 Section 2 Section 3 Section 10 Section 11 Section 12 Section 13 Section 14 Section 15 Section 16 Section 21 Section 24 Section 28	All Lots 1, 2 and 3, S2N2, S2 All All All All E2, N2NW, SENW NENE, NWSENE (part thereof, containing security gate) SESW (part thereof, containing catchment structure A) E2NESE (part thereof, containing substitute topsoil area) NESENE (part thereof, containing pumping station) N2, N2SE, NESW NWNW (part thereof, containing catchment structure C)
T14S, R14E	Section 6 Section 7* Section 18	Lots 3, 4, 5, 6 and 7, SENW, E2SW, W2SE Lots 1*, 3 and 4, SESW, SWNESW Lots 1, 2 and 3, E2NW

TOTAL PERMIT AREA = 7316.62 acres.

^{*}Less and excepting from the portion of the above legal subdivisions in Section 7, those lands under and around Grassy Trail Dam and Reservoir owned by East Carbon City and Sunnyside City, such lands being more accurately described in Appendix 1-15.

TABLE 1-6 SURFACE OWNERSHIP OF PERMIT AREA

T(S)/R(E)	Section	BLM	Penta Creek	Hinkins	Wells	Rauhala	SITLA	Total
13/13	34	-	-	-	120.00	-	-	120.00
13/13	35	40.00	-	448.91	151.09	-	-	640.00
13/13	36	_	372.50	-	_	-	_	372.50
14/12	25	0.23	-	-	-	-	-	0.23
14/13	1	283.75	328.68	-	-	39.92	-	652.35
14/13	2	-	641.24		_	-	-	641.24
14/13	3	-	-	-	80.66	_	520.44	601.10
14/13	10	360.00	-	-	-	-	280.00	640.00
14/13	11	650.87	-	-	-	-	-	650.87
14/13	12	-	648.96	-	-	-	-	648.96
14/13	13	640.00	-	-	-	-	-	640.00
14/13	14	440.00	-	-	-	-	-	440.00
14/13	15	41.02	-	-	-	-	-	41.02
14/13	16	-	-	-	_	-	9.60	9.60
14/13	21	0.23	-	-	-	_	-	0.23
14/13	24	440.00	-	_	-	-	-	440.00
14/12	28	0.23	-	_	-	-	-	0.23
14/14	6	76.41	348.94	-	-	-	-	425.35
14/14	7	74.08	86.69	-	-	-	_	160.77
14/14	18	117.25	74.92	-	-	-	_	192.17
		3164.07	2501.93	448.91	351.75	39.92	810.04	

TABLE 1-7 DISTURBED AREA WITHIN PERMIT AREA

1) Minesite surface facilities: portions of the following, totaling 29.82 acres (all BLM)

T14S, R13E

Section 10:

SESESE

NESESE

T14S, R13E

Section 11:

SWNESW

NWSESW NESWSW NWSWSW SWSWSW SESWSW

T14S, R13E

Section 15:

NENENE

NWNENE SWNENE SENENE NWSENE

2) Pumphouse: portion thereof of the following, containing 0.23 acres (all BLM)

T14S, R13E

Section 21:

NESENE

3) <u>Gob gas vent hole (GVH) installation</u>: portion thereof of the following, containing 0.24 acres (all SITLA)

T14S, R13E

Section 3:

NESWSE

4) Gob gas vent hole (GVH) topsoil pile: portion thereof of the following, containing 0.1 acres (all SITLA)

T14S, R13E

Section 10:

SENWNW

5) Catchment Structure A: portion thereof of the following, containing 0.12 acres (all BLM)

T 14 S, R 13 E

Section 15:

SESW

6) Catchment Structure C: portion thereof of the following, containing 0.23 acres (all BLM)

T 14 S, R 13 E

Section 28:

NWNW

7) <u>Catchment Structure E</u>: portion thereof of the following, containing 0.23 acres (all BLM)

T 14 S, R 12 E

Section 25:

SESE

TOTAL DISTURBED AREA = 30.97 acres

R645-301-115 STATUS OF UNSUITABILITY CLAIMS

The proposed permit area is not within an area designated as unsuitable for mining. WEST RIDGE Resources, Inc. is not aware of any petitions currently in progress to designate the area as unsuitable for coal mining and reclamation activities.

The area in which the proposed facility will be located has been evaluated within area management plans. It has not been found unsuitable for mining activities under any categories of examination.

Not applicable.

WEST RIDGE Resources, Inc. will not be conducting mining operations within 100 feet of an occupied dwelling. WEST RIDGE Resources, Inc. has received permission from Carbon County to construct facilities and operate coal mining activities within 100 feet of a public road. Refer to the letter from Carbon County in Appendix 1-8.

R645-301-116 PERMIT TERM

The anticipated starting and termination dates of the coal mining and reclamation operation are as follows:

	Begin	Complete
Construction of Mining Pad, Mining Support Structures, and Portals	Apr. 1999	Dec. 1999
Begin Mining	Jan. 2000	
Terminate Mining		Dec. 2017*
Remove Facilities	Jan. 2018*	June 2018*
Regrade Area	July 2018*	Sept. 2018*
Revegetate Site	Oct. 2018*	Nov. 2018*

^{*}This assumes mine life extended through acquisition of adjacent state and federal coal reserves.

The initial permit application will be for a five year term with successive five year permit renewals.

R645-301-117 INSURANCE, PROOF OF PUBLICATION AND FACILITIES OR STRUCTURES USED IN COMMON

The Certificate of Liability Insurance is included as Attachment 1-1 in Appendix 1-1.

A copy of the newspaper advertisement of the application for a permit and proof of publication are included as Attachment 1-2 and 1-3 respectively, in Appendix 1-1. A copy of the newspaper advertisement for the Whitmore lease revision is included as Attachment 1-3 in Appendix 1-1.

117.300 Not applicable.

R645-301-118 FILING FEE

Verification of filing fee payment is included as Attachment 1-4 in Appendix 1-1.

R645-301-123 NOTARIZED STATEMENT

A notarized statement attesting to the accuracy of the information submitted can be referenced as Attachment 1-5 in Appendix 1-1.

R645-301-130 REPORTING OF TECHNICAL DATA

Technical reports prepared by consultants specifically for WEST RIDGE Resources, Inc. are typically presented in an appendix format and, in general, provide the name and address of the person or company (consultant) preparing the report, the name of the report, the date of collection and analysis of the data, and descriptions of the methodology used to collect and analyze the data. The body of the report usually will provide the date the actual field work was conducted and a description of the methodology used to collect and analyze the data. The format of each report may vary depending on the contents of the report and organization preparing it.

For laboratory analyses, such as Appendix 7-2 and 7-3, the company performing the analyses as well as the date of the analyses, is presented on the laboratory report rather than the cover page.

A list of consultants and their appended reports is contained in Appendix 1-6, Consultation and Coordination. Sources used in the preparation of the permit application are referenced in Appendix 1-3. References in all chapters are keyed to this main reference list.

R645-301-142 MAPS AND PLANS

Mining and exploration activities had been conducted in the currently proposed disturbed area prior to August 3, 1977. A road existed into C Canyon in 1952 when drill hole B-6 was drilled in the right fork. A road was also constructed up the left fork of C Canyon to a drill hole site during the same year. In addition to the drill holes, the coal outcrop in the left fork of C Canyon was exposed for sampling purposes. A small pad was built at the outcrop location and it was left in place as were the roads.

In 1986, another drill hole, 86-2, was drilled west of the first drill hole in the right fork. A minor amount of road work was done in conjunction with this second drill hole. Kaiser Coal Company obtained permission from the BLM to grade the existing road and make it passable for the drill rig. The drill hole site was reclaimed but the road, a public road, was left in place.

Through use of aerial photography and site evaluations, it is possible to document previous mining related disturbances in C Canyon. Refer to Map 5-1 for delineation of the disturbance prior to August 3, 1977.

The total of all the previously disturbed areas within the minesite disturbed area is estimated to be as follows:

roads in right and left forks	=	1.27 acres
road culvert	=	.05 acres
water monitoring well	=	.05 acres
material storage pad	=	.05 acres
		1 62 acres

WEST RIDGE Resources, Inc. is proposing to utilize the entire previously disturbed area in their current proposal and to reclaim it upon cessation of mining operations.

In the 1950's a road was constructed in the Right Fork of Bear Canyon to access an exploratory drillhole site. This road now provides access to the site of the Bear Canyon GVH installation. (Refer to Appendix 5-14 for a detailed description of the Bear Canyon GVH facility)

ATTACHMENT 1-5 VERIFICATION STATEMENT

I hereby certify that I am a responsible official (Resident Agent) of the applicant (ANDALEX and IPA for WEST RIDGE Resources, Inc.) and that the information contained in this application is true and correct to the best of my information and belief in all respects with the laws of Utah in reference to commitments, undertakings, and obligations, herein

Signed - Name - Position - Date
Signed Traine - I ostion - Date
, 20

)
) ss:
_)

CHAPTER 5....REPLACEMENT PAGES

TABLE OF CONTENTS- APPENDICES R645-301-500 CHAPTER 5

APPENDIX NUMBER	DESCRIPTION
APPENDIX 5-1	Reclamation Bond Calculations
APPENDIX 5-2	Letter from Carbon County Commission
APPENDIX 5-3	Resource Recovery and Protection Plan (R2P2)
APPENDIX 5-3A	Amended R2P2 Approval Letter (BLM)
APPENDIX 5-3B	BLM R2P2, Approval of Full Extraction of Panel #7
APPENDIX 5-3C	BLM R2P2, Approval of Longwall Panel Block 18 through 20
APPENDIX 5-4	Stability Evaluation for Construction and Reclaimed Slopes, West Ridge Mine
APPENDIX 5-5	Construction/Reclamation Plan
APPENDIX 5-6	Spill Prevention Control and Countermeasure Plan (SPCC)
APPENDIX 5-7	Pump House Reclamation and Sediment Control
APPENDIX 5-8	Letter Regarding Pre-Subsidence Survey (Mayo and Associates)
APPENDIX 5-9	Alternate Highwall Reclamation Plan
APPENDIX 5-10	SITLA Mine Plan Approval State Lease ML-47711, ML-49287 and ML-51744
APPENDIX 5-11	Grassy Trail Dam and Reservoir Mining - Induced Seismicity Report, Pre-mining Report (RB&G Engineering)
APPENDIX 5-12	Grassy Trail Dam and Reservoir - Phase II Dam Safety Study (RB&G Engineering)
APPENDIX 5-13	Grassy Trail Dam Monitoring/Inspection Plan, Panel #7
APPENDIX 5-13A	Grassy Trail Dam Monitoring/Inspection Plan, Panel Block #18-21
APPENDIX 5-14	Bear Canyon Gob Gas Vent Hole (GVH)

TABLE OF CONTENTS- APPENDICES R645-301-500 CHAPTER 5

(Continued)

APPENDIX NUMBER	DESCRIPTION
APPENDIX 5-15	Catchment Structure, C Canyon Drainage
APPENDIX 5-16	Grassy Trail Dam and Reservoir Mining-Induced Seismicity Summary Report, 2008
APPENDIX 5-17	Grassy Trail Dam and Reservoir Mining-Induced Seismicity Summary Update Report (RB&G Engineering, 2010)

R645-301-520 OPERATION PLAN

R645-301-521 GENERAL

WEST RIDGE Resources, Inc. holds federal, state and fee coal leases SL-068754 and UTU-75862, state leases ML 47711, ML 49287 and ML 51744, and the Penta Creek fee lease, totaling 7796.7 acres in the West Ridge area of eastern Carbon County. Much of the Penta Creek Fee Lease, is not included within the permit area at this time and cannot be mined until the permit is amended. Refer to Map 5-4B, Mining Projections - Extended Reserves.

The mine, consists of one longwall and two continuous miner sections. The mining sequence is shown on Map 5-4A, Mining Projections. Initial mine production will come from reserves located in the southeastern portion of the existing lease area. Panels will be developed to the north and south of the mains, progressing in an eastward direction. With the existing leases, the projected life of the West Ridge Mine is 15 years. After the economically recoverable reserves within the permit area have been depleted, the portals would be sealed and reclamation of the surface facility area would begin unless additional leases were acquired.

Surface facilities will be located in C Canyon, where the left and right forks converge, in a previously disturbed area. The extent of the previous disturbance includes access roads, outcrop excavations and exploration drill holes. Previous disturbance at this site is estimated to be approximately 1.62 acres. The total proposed surface disturbed area, as delineated by the tan line on the maps, amounts to approximately 29 acres. Actual anticipated disturbance for surface facilities and topsoil stockpiles (within the disturbance area) is estimated at 26.02 acres. This includes approximately 0.79 acres of Carbon County road which has been included in the disturbed area down to the C Canyon gate, and 0.23 acres for the pumphouse area located below the minesite.

An alternate (substitute) topsoil borrow area would be located about 1 ½ miles to the west of the proposed mine site on a ten acre parcel of State School Trust land. This area would not be included unless needed for final reclamation. No surface disturbance would take place at this location until the time of final reclamation. No additional acreage should be required for the project as proposed in this permit application.

or air pollution control facilities exist within the proposed permit area. A small portion of the Grassy Trail Reservoir (less than 0.6 acres) lies within a corner of the permit area.

521.130 Landownership And Right Of Entry Maps

Ownership boundaries and the names of the present owners of record for surface lands as well as underground are depicted on Maps 5-2, Surface Ownership and 5-3, Subsurface Ownership.

Map 5-4B delineates the federal coal lease SL-068754 and UTU-78562, state lease ML 47711, ML49287 and ML 51744 and the Penta Creek fee lease, totaling 7796.7 acres held by WEST RIDGE Resources, Inc., which is the area for which WEST RIDGE Resources, Inc. Resources has the legal right to enter and begin coal mining and reclamation operations. Much of the Penta Creek Fee Lease is not included within the permit area at this time.

Included in Appendix 5-2 is a letter from Carbon County granting WEST RIDGE Resources, Inc. permission to conduct mining operations within 100 feet of the Carbon County road. This would basically be that segment of road where the road enters the mine facility area.

Also included in Appendix 5-2 is an approval letter from Carbon County, allowing for the periodic closure of approximately 960' of the "C" Canyon Road from the gate to the original mine permit area. The permit area has been extended to the gate, as shown on Plate 4-1.

A public notice has been published providing for request for a public hearing as provided in R645-103-234. A copy of this notice is also included in Appendix 5-2.

521.140 Mine Maps And Permit Area Maps

The permit area proposed to be affected by the coal mining and reclamation operation is shown on Map 5-3. Permit renewals will be reapplied for on five year intervals.

The mining operation has been divided into five year mining blocks in an attempt to show future areas that will be mined under the permit renewals. The mining blocks are shown on Map 5-4B. All projections and timing are preliminary and general in nature and may change in the future depending on mining, marketing, environmental conditions and/or acquisition of additional state and federal reserves.

Surface support facilities in C Canyon will be utilized for the life of mine operations. The proposed mine surface facility area is depicted on Map 5-5, Surface Facility Map. Reclamation of the facilities will be performed following completion of mining activities and sealing of the portals.

mining. See Map 5B for mine projections and timing information for the future expanded mining area.

Major equipment for the mine will include:

Continuous Mining System:

Drum-Type Continuous Mining Machine
Shuttle Cars
Roof Bolter
Diesel Scoop Tractor
Feeder Breaker
Section Power Center
Section Auxiliary Face Ventilation Fan

Longwall Mining System:

Double Drum Shearing Machine Armored Face Conveyor Hydraulically Activated Shield Roof Support Armored Stage Loader and Crusher Longwall Power Center High Pressure Hydraulic Pumping System

No surface coal mining (strip mining) will be done.

All mining will be done in accordance with the provisions of the approved R2P2 and the terms and stipulations of the federal and state leases within the West Ridge mining area. Stipulation 17 of federal lease UTU-78562 has been complied with. A seismic analysis report of the Grassy Trail Dam and Reservoir has been completed and BLM has determined that the seismic/subsidence effects of longwall mining on the Grassy Trail dam and reservoir have been satisfactorily addressed. The BLM has approved the R2P2 to allow full extraction longwall mining in panel #7. BLM has also approved longwall mining of panels 18, 19 and 20 on federal lease UTU-78562.

include: mining progress by date, dates of inspection, dates of any observed effects, and a description of effects.

If and when other means of monitoring subsidence in areas of heavy cover become available and are shown to have as good or better detection capabilities, WEST RIDGE will investigate utilizing the best technology available to conduct annual subsidence monitoring.

Mitigation

Mitigation measures may include: grading of damage resulting from subsidence on grazable lands (where accessible), fencing to restrict access (where necessary) and restoration of adversely affected roads and trails. Graded areas will be reseeded using a seed mix designated by the BLM.

525.130 State Appropriated Waters-Quantity and Use

Refer to Appendix 7-5 for all state appropriated water right within and adjacent to the permit area, including appropriated quantities and designated usage.

525.200 Subsidence Control

WEST RIDGE Resources, Inc. will adopt measures which are technologically and economically feasible to prevent subsidence under areas to be protected and to provide for planned controlled subsidence in all other areas. WEST RIDGE Resources, Inc. will comply with all provisions of the approved subsidence control plan.

Material damage resulting from subsidence will be corrected to the extent technologically and economically feasible. Where possible, the land will be restored to a condition comparable to the use it supported prior to subsidence.

Mining will not be conducted beneath or adjacent to public buildings, churches, schools, hospitals. None of these structures exist within or adjacent to the permit area. A small portion of Grassy Trail Reservoir (less than 0.6 acres) lies within a corner of the permit area. Grassy Trail Reservoir impounds more than 20 acre feet of water. However, there will be no mining or mining related subsidence below this reservoir.

The Grassy Trail Reservoir, which impounds more than 20 acre-feet of water, is located partially within and adjacent to the permit area. There will be no mining conducted beneath the reservoir or impoundment structure. As presently planned, Panel 7 is the closest longwall panel to Grassy Trail Reservoir, located approximately 995' from the reservoir measured horizontally. This panel is also 1664' below the reservoir at this point.

WEST RIDGE Resources hired RB&G Engineering to prepare a study of the risk to the Grassy Trail dam and reservoir from seismicity and subsidence associated with longwall mining in the West Ridge Mine. This study involved collection of additional data from newly-installed accelerometers, subsidence monitoring stations, and piezometers in the area around the dam. This study was conducted with input from BLM, DOGM, Division of Dam Safety, and East Carbon City.

On August 5, 2005 RB&G Engineering completed the seismicity study. (Refer to Appendix 5-11, Grassy Trail Dam & Reservoir Mining - Induced Seismicity Report.) In addition, RB&G prepared a second report which analyzed the Grassy Trail Dam so that East Carbon City can comply with the regulatory requirements of Utah Division of Dam Safety. There are a number of overlapping and interconnected issues addressed in the seismicity study and the dam safety study. Therefore the dam safety study is included as Appendix 5-12 (Grassy Trail Dam & Reservoir, Phase II Dam Safety Study, August 27, 2005.)

After a thorough review of the study the BLM approved a minor modification of the R2P2 (see Appendix 5-3B) to allow full extraction longwall mining of Panel #7. In the approval BLM concluded that "The submitted report from RB&G concludes that it is unlikely that the anticipated mining of panel 7 would impact the performance of the dam and reservoir. The analysis of seismic impacts used a large maximum event (3.9 Richter Scale Magnitude) which is well above any recorded event in the immediate area. Using the maximum event, RB&G still anticipates a factor of safety still well above minimum Utah State Dam Safety standards. The BLM accepts the report and agrees with the recommendations. West Ridge is hereby authorized to extract longwall panel #7 per the approved R2P2, having met the conditions for approval."

The seismicity report addressed the issues of dam stability analysis, subsidence, internal erosion potential, reservoir seepage and landslide potential. The report concluded that "it is unlikely that the anticipated mining induced seismicity will impact the performance of the dam and reservoir." The report also recommended the following inspection and monitoring program during the longwall mining of Panel #6 and Panel #7:

- Bi-weekly site reconnaissance to observe any change of conditions in the embankment crest or slopes and landslide areas. Particular attention should be given to cracking, ground deformation or seepage.
- Monthly measurement of inclinometers, piezometers and ground motion monitoring devices.
- Annual survey of control points on the embankment and in the landslide areas.
- Daily monitoring of the UUSS list of recent seismic events

 (www.seis.utah.edu/recactivity/recent.shtml) should be performed. A daily record should be maintained of the largest recorded event within 5 miles of the site. When an event greater than 3.0 occurs within 5 miles of the site, a

site reconnaissance of the embankment crest, slopes and landslide areas should be performed within 24 hours and a review of ground motion recordings should be made. If recorded ground acceleration exceeds 0.4g, instrumentation readings should be performed.

• Site reconnaissance and instrumentation reports should be forwarded to RB&G Engineering and the Utah State Dam Safety Engineer within 24 hours, and the daily monitoring record should be submitted on a monthly basis.

The BLM R2P2 approval is conditioned upon WEST RIDGE Resources monitoring the inspection/monitoring program as outlined above. Therefore WEST RIDGE Resources, Inc. commits to implementing this inspection/monitoring program effective immediately upon Division approval for full extraction of Panel #7. This monitoring plan has been expanded to address concerns raised by Utah Division of Dam Safety (refer to Appendix 5-13).

Based on subsequent approval of the mine plan, panel #7 was extracted starting in December, 2005, and completing in September 2006. Extraction closest to the Grassy Trail Reservoir occurred in March, 2006. Monitoring, as described above, was conducted continuously during the mining of panel #7. As predicted by the RB&G report, there was no mining related damage to the dam, although some slumpage of the adjacent hillside occurred, resulting in minor movement of the west abutment of the dam. There was no loss of integrity of the earthen structure of the dam. In January, 2008, after the area above and adjacent to panel 7 had completely stabilized, RB&G Engineering prepared a post-mining Summary Report of the mining-induced seismicity. This report is included in Appendix 5-16.

After panel 7 was completed, longwall mining moved to the west side of the mains near the outcrop (more than two miles distant from the dam), and then proceeded to the northeast. Also during this time, the company went to a panel-barrier system of longwall extraction, replacing the previous side-by-side panel method. This panel-barrier system leaves a 400' wide solid barrier pillar between each longwall panel, and has significantly reduced the magnitude and frequency of mining-related seismic events. During the ensuing five years of mining, the company has continued to monitor the dam and reservoir. Results of this monitoring have been provided to all the regulatory agencies and the owners of the reservoir on a regular basis. The results of this monitoring have shown that all mining-related effects on the reservoir have stabilized. RB&G Engineering then, in September, 2010, prepared a summary report of the subsequent mining-induced seismicity, and this report is included in Appendix 5-17.

On July, 21, 2010, BLM approved the R2P2 for federal lease UTU-78562 and approved mining of panels 18, 19 and 20 on the east side of the mains in the vicinity of the Grassy Trail Reservoir. In the decision document, BLM states, "We agree with the conclusion that mining longwall panels 18 through 20 as submitted should have no adverse effects on the dam structure or reservoir. The dam structure has seen no

detectable affects from the mining of panel number 7. The proposed panels are further distant from the reservoir and much further from the Grassy Trails Reservoir dam. Also, the new panel-barrier design has reduced dramatically the amount and intensity of any mining induced seismisity or subsidence. Additionally, this mining plan will comply with the lease stipulation to not subside perennial streams, unless authorized, as the Left Fork Whitmore Canyon Stream will be under a barrier pillar and no full extraction mining is planned under the stream." A copy of the approved R2P2 for panels 18-20 is included in Appendix 5-3C. As with the previous mining of panel 7, the company commits to conducting the same level of intensive monitoring of the dam during mining of panel block 18-20, as previously approved by the regulatory agencies, as stated above. This monitoring plan has been updated for panel block 18-21, and is included in Appendix 5-13A.

As mentioned in the BLM approval letter, mining of panel block 18-20 will be further distance away from the Grassy Trail dam than with panel 7. Panel 7 mined within 995' (horizontal) from the dam, while the closest mining from Block 18-20 would be more than 3000' (horizontal) away. Also, panel 7 was about 1664' stratigraphically lower than the dam, while panel block 18-20 is located more than 2200' lower than the dam. The hypocentral distance of panel 7 was 1939' from the dam, compared to 3723' for the closest distance for panel block 18-21. Also, panel 7 was mined using side-by-side panels, whereas panel block 18-20 will be mined as panel-barrier, further reducing the potential for seismicity.

In the 2005 approval of Panel 7, BLM added a special stipulation #17 to the federal lease related specifically to the Grassy Trail Reservoir, stating, "The Lessee is and will remain liable for any and all damages or hazardous conditions resulting from the mining operations under the lease." This new 2010 BLM approval for panel block 18-20 contains reference to this same lease stipulation #17. It should also be noted that, as with previous mining of panel 7, the Utah Division of Dam Safety will have authority to stop any longwall mining of panel block 18-21 if it determines that mining-related seismicity or subsidence is creating, or has created, an unacceptable level of risk to the Grassy Trail dam or reservoir, based on monitoring at the time.

525.300 Public Notice of Proposed Mining

No coal mining will be conducted under any buildings, facilities or impoundments (other than the recreational cabin referred to in 521.120). The BLM will be kept informed as to the dates and locations of mining activities. All owners of surface property and structures (BLM) above the underground works will receive notification at least six months prior to mining of the specific areas in which mining will take place, dates of mining and the location at which the subsidence control plan may be examined.

525.480 State Appropriated Water Replacement Mitigation

CHAPTER 7....REPLACEMENT PAGES

NOTE TO REVIEWERS:

ENTIRE CHAPTER 7 TEXT IS TO BE REPLACED DUE TO PAGINATION CHANGES

~WEST RIDGE MINE - PERMIT APPLICATION PACKAGE~

TABLE OF CONTENTS- CHAPTER 7 R645-301-700 HYDROLOGY

REGULATION NU		CONTENTS	PAGE NUMBER
R645-301-711	General Re	equirements	1
R645-301-712	Certification	on	5
R645-301-713	Inspection		5
R645-301-720	Environme	ental Description	5
R645-301-721	General Re	equirements	5
R645-301-722	Cross-Secti	ions And Maps	7
R645-301-723	Sampling A	And Analyses	7
R645-301-724	Baseline In	formation	7
R645-301-725	Baseline Cu	umulative Impact Area Inform	nation18
R645-301-726	Modeling		
R645-301-727	Alternative	Water Source Information	19
R645-301-728	Probable Hy (P.	ydrologic Consequences HC) Determination	19
R645-301-729	Cumulative As	Hydrologic Impactssessment (CHIA)	34
R645-301-730	Operation P	lan	34
R645-301-731	General Rec	quirements	34
	Table 7-1	Hydrologic Monitoring Pro	otocols and Locations 42
	Table 7-2	Surface Water Operational	Water Quality Monitoring 43

TABLE OF CONTENTS- CHAPTER 7 (CONTINUED) R645-301-700 HYDROLOGY

REGULATION N	IUMBER	CONTENTS	PAGE NUMBER
	Table 7-3	Groundwater Operational	Water Quality Monitoring 44
	Table 7-4	UPDES Discharge Point I	Monitoring45
	Table 7-5	UG-1 Underground Moni	toring Point46
R645-301-732	Sediment Co	ontrol Measures	53
R645-301-733	Impoundmen	nts	54
R645-301-734	Discharge St	ructures	58
R645-301-735	Disposal Of	Excess Spoil	58
R645-301-736	Coal Mine W	Vaste	58
R645-301-737	Noncoal Mir	ne Waste	58
R645-301-738	Temporary C	Casing And Sealing Of Wells	58
R645-301-740	Design Criter	ria And Plans	58
R645-301-742	Sediment Co.	ntrol Measures	59
R645-301-743	Impoundmen	ts	
R645-301-744	Discharge Str	ructures	63
R645-301-745	Disposal of E	excess Spoil	63
R645-301-746	Coal Mine W	aste	63
R645-301-747	Disposal Of N	Noncoal Mine Waste	

TABLE OF CONTENTS- CHAPTER 7 (CONTINUED) R645-301-700 HYDROLOGY

REGULATION N	UMBER CONTENTS	PAGE NUMBER
R645-301-748	Casing And Sealing Of Wells	62
R645-301-750	Performance Standards	
R645-301-751	Water Quality Standards And Effluent Limit	tations 65
R645-301-752	Sediment Control Measures	65
R645-301-753	Impoundments and Discharge Structures	
R645-301-754	Disposal of Excess Spoil, Coal Mine Waste and Noncoal Mine Waste	
R645-301-755	Casing and Sealing of Wells	66
R645-301-760	Reclamation	66
R645-301-761	General Requirements	66
R645-301-762	Roads	66
R645-301-763	Siltation Structures	67
R645-301-764	Structure Removal	67
R645-301-765	Permanent Casing and Sealing of Wells	68
	References	

TABLE OF CONTENTS- FIGURES R645-301-700 HYDROLOGY

FIGURE NUMBER FIGURE NAME

Figure 7-1 Average Monthly Precipitation at Sunnyside, Utah

Figure 7-2 Palmer Hydrologic Drought Index for Utah Division 6

Figure 7-3 Palmer Hydrologic Drought Index for Utah Division 7

Note: Figures are located at the end of the Chapter 7 text.

TABLE OF CONTENTS- APPENDICES R645-301-700 CHAPTER 7

APPENDIX NUMBER	DESCRIPTION
APPENDIX 7-1	Investigation of Surface-Water and Groundwater Systems in the West Ridge Area, Carbon County, Utah
APPENDIX 7-1A	Investing of surface-Water and Groundwater Systems in the Whitmore LBA Area, Carbon County, Utah
APPENDIX 7-2	Baseline Ground Water Monitoring & Analyses
APPENDIX 7-3	Baseline Surface Water Monitoring & Analyses
APPENDIX 7-4	West Ridge Mine Sedimentation and Drainage Control Plan
APPENDIX 7-5	Water Rights Summary
APPENDIX 7-6	1985 & 1986 Seep and Spring Inventory Data
APPENDIX 7-6A	1999 & 2010 Seep and Spring Survey Data
APPENDIX 7-7	West Ridge Mine Estimated Water Usage
APPENDIX 7-8	Creamer and Noble Engineers C Canyon Road Station 406+70 - Culvert Design
APPENDIX 7-9	Letter from Division of Water Rights
APPENDIX 7-10	UPDES General Permit For Coal Mining
APPENDIX 7-11	Bear Canyon GVH Hydrology Report
APPENDIX 7-12	Bear Canyon Drainage Control Plan
APPENDIX 7-13	WR-2 Subsidence Information
APPENDIX 7-14	Grassy Trail Reservoir - Right Fork Historical Flow Data

TABLE OF CONTENTS- MAP LIST R645-301-700 CHAPTER 7

MAP NUMBER	DESCRIPTION	SCALE
MAP 7-1	Drainage Area Map	1"=400'
MAP 7-2	Mine Site Drainage Map	1"=100'
MAP 7-3	Water Rights	1"=1000'
MAP 7-4	Sediment Pond - Plan and Profile	1"=40'
MAP 7-4A	Sediment Pond Cross-Sections	1"=40'
MAP 7-5	Seep/Spring Survey Map	1"=1000'
MAP 7-6	Hydrologic Monitoring Map (Historical Monitoring Locations)	1"=1000'
MAP 7-7	Operational Monitoring Map	1"=1000'

CHAPTER 7 R645-301-700 HYDROLOGY

Historical Note: In the spring of 2009, and again in the summer of 2010, the company constructed small catchment structures in the C Canyon drainage below the minesite. The purpose of these structures was to contain coal-fines which had accumulated in the drainage channel as a result of non-compliance discharge water from the mine, and to assist in the subsequent clean-up project. Please refer to Appendix 5-15 for a complete description of these catchment structures, including history, location, right-of-entry, as-built design, operational criteria, and reclamation information.

R645-301-711 General Requirements

This chapter includes a description of hydrology and hydrogeology of the West Ridge permit area. Specifically, this permit application includes:

- 711.100 Existing hydrologic resources according to R645-301-720.
- Proposed operations and potential impacts to the hydrologic balance according to R645-301-730.
- 711.300 The methods and calculations utilized to achieve compliance with the hydrologic design criteria and plans according to R645-301-740.
- 711.400 Applicable hydrologic performance standards according to R645-301-750.
- 711.500 Reclamation activities according to R645-301-760.

NOTE: The following discussion for the remainder of R645-301-711 applies specifically to the Gob Gas Vent Hole (GVH) installation proposed in Bear Canyon. In order to facilitate the review it is presented here in its entirety rather than interspersed throughout the chapter. A more detailed and complete discussion of the Bear Canyon GVH proposal can be found in Appendix 5-14. Unless specifically noted in this following discussion, nothing related to the Bear Canyon GVH proposal affects the contents of the existing approved MRP as described hereinafter.

The GVH site will be located on the opposite side of the road (southeast side) from the primary canyon drainage channel. Therefore, construction and operation of the GVH facility will have no affect on the natural canyon drainage. Because of the limited size of the site (0.24 acres) and the narrow configuration within the confines of the narrow ledges of the canyon, there is insufficient room to construct a sediment control pond. Therefore the company intends to employ a combination of alternate sediment control methods at the site. During the construction phase of

the pad site, adequate rows of excelsior logs will be placed downgrade from the site to prevent construction sediment from entering the channel. Once the pad site is finished, which should take less than two weeks, a disturbed area drainage ditch will be constructed along the toe of the cut. This ditch will be designed to handle the flow from the up-slope undisturbed area, the reclaimed cutslope, the drillpad, and the adjacent section of road. This ditch will discharge into the natural drainage channel a short distance below the drillhole location. This ditch will be armored with adequately-sized rip-rap for its entire length. This rip-rap will decrease the potential for erosion in the ditch, and will also act initially as a siltation trap as a certain amount of sediment is allowed to settle into the rip-rap voids.

The total length of the drainage ditch will be approximately 350'. At 50' intervals along its length energy dissipaters will be installed in the ditch. These energy dissipaters will consist of excelsior logs laid in the ditch perpendicular to the flow direction, and anchored securely with stakes. These dissipaters will reduce the flow velocity to help reduce erosion, and will also serve as siltation filters to help remove sediment prior to reaching the natural channel. In addition, a terminal set of excelsior logs will be installed in the ditch immediately above the point where it discharges into the natural channel. The installation, consisting of four (4 ea.) closely-spaced rows of excelsior logs will serve primarily as sediment traps, rather than energy dissipaters. This set will be located conveniently close to the road to facilitate regular cleaning and maintenance. The sediment traps will be inspected routinely to make sure they are functioning properly. There will be mine personnel attending to the GVH units on a daily basis, and will be instructed to check the sediment traps on a regular basis, and especially after storm events. If they are in need of repair and/or cleaning such maintenance will be done immediately. Sediment cleaned from the traps will be hauled off-site and disposed of at an approved facility, such as the permitted Wildcat Loadout Coal Mine Refuse Disposal Site (DOGM permit C/007/033). All excelsior logs will be installed according to the manufacture's instructions.

Immediately after the cutslopes have been excavated to create the pad-site, the slopes will be pocked, and reseeded. A layer of woodstraw will then be spread over the reseeded slopes. This straw serves to not only provide microclimate conditions to encourage seed germination, it also absorbs some of the energy from falling raindrops, and therefore helps control erosion on the slopes until revegetation can become established. The pocking, which consists of irregular depressions measuring about 24" x 36" x 18" deep, helps revegetation by holding the seed and water in place, and thereby helps minimize erosion as well.

During the drilling phase of the GVH installation, the pad area will be used as an equipment lay-down area for drill steel, drill casing, drilling mud, concrete, etc. The pad will also be used to accommodate the mud pits needed during the drilling operation. The mud pit will measure approximately $30' \log x \ 10'$ wide $x \ 10'$ deep, and will be located immediately down-canyon, i.e., southwest of, the

drillholes, as shown in Attachment 1. The pit will be lined with a 12 mil plastic liner, with a 20 mil felt underlayment. Based on the diameter and total combined length of the drillholes, and assuming a swell factor of 40% for the cuttings, the estimated volume of cuttings is 1283 cubic feet, or 47 yds. This would result in a total depth of cuttings remaining in the bottom of the pit of about 4.28 ft. After the drillholes have been completed the remaining cuttings will be mixed with native material until it can be handled with heavy machinery. It will then be removed from the pit and hauled off-site to an approved disposal facility. After the cuttings have been removed, the pit will be backfilled and eliminated. The site will then be cleaned up and fine-graded prior to installing the methane extractor units (see Attachments 1 and 7 for details). A period of approximately two weeks will be required to construct the drillpad and to drill the holes. During this time interim sediment control will be provided by several rows of excelsior logs installed at the lower end of the construction site. Sediment is not expected to be a problem because of the short construction time involved (approx. 2 weeks), the low probability of rainfall events in late November at this elevation, and the temporary installation of the excelsior logs.

After the site has been constructed the entire operational pad area, as well as the adjacent road area and turnaround, will be graveled from the channel crossing up to the end of the road. This gravel will consist of a crushed rock $1.5" \times 0"$ road base material, laid down and then compacted to a tight surface. This graveled surface will also serve to reduce erosion on the pad (and adjacent road segment) and thereby decrease sedimentation to the natural drainage.

In summary, the site will be an alternate sediment control area. Sediment will be controlled by the following combination of treatment methods:

- 1) Armoring the entire length of the drainage ditch with rip-rap.
- 2) Installation of energy dissipaters within the ditch to slow the flow velocity.
- 3) Installation of set of sediment control excelsior logs in the ditch ahead of the discharge point.
- 4) Pocking and revegetating the cutslope, including a layer of protective wood straw.
- 5) Graveling the pad-site and adjacent roadway

Refer to the site plan in Attachment 1 of Appendix 5-14 for the location of the drainage ditch, energy dissipaters, excelsior log siltation controls, and graveled area. See Attachment 11 of Appendix 5-14 for the drainage control calculations determined by Blackhawk Engineering. This report concludes that with

"...installation of the proposed sediment and erosion controls, there should be no adverse effects to the surface hydrology of this area."

The GVH installation and operation should have no adverse affect on groundwater hydrology. The GVH site is located close to the area where the depth of cover over the longwall panels is the shallowest within the permit area. As a result, this area has been an area of interest in previous MRP amendments, resulting in enhanced water monitoring and subsidence monitoring requirements both above and below the GVH site. A more detailed discussion of the area hydrology can be found in R645-301-322.100 and R645-301-738 of the approved MRP. It should be noted that this area has been now been completely undermined since November, 2006, subsidence has stabilized, and no adverse affects to underground or surface hydrologic resources have been observed. Prior to final reclamation, all drillholes will be plugged and sealed in accordance with State and Federal regulations, as discussed in the Chapter 5 section of Appendix 5-14. See Attachment 10 of Appendix 5-14, prepared by Petersen Hydrologic, for a discussion of the potential hydrologic affects from the GVH installation and operation. This report concludes that "adverse impacts to the hydrologic balance resulting from the installation and operation of the Bear Canyon GVH system are not anticipated." The probable hydrologic consequences (PHC) section of the MRP (645-301-738) has been updated to include a discussion of the Bear Canyon GVH installation.

During drilling operations, as well as during the remainder of the operational life of the GVH installation, noncoal mine waste will be stored in suitable containers, and then disposed of off-site at an approved waste disposal facility. Hydrocarbons, including Diesel fuel, gasoline, oil and grease, will be stored in the factory supplied containment mounted within the machinery. If any stand-alone storage tanks are used they will be equipped with built-in containment capable of holding the entire contents of the tank. Absorbent pads and bags of absorbent granules will be kept on hand during the drilling operation, and later during the GVH operation, to be used in case of a spill of oil, fuel or grease. Used absorbent material will be disposed of at an approved disposal facility. All operations will be subject to the current Spill Prevention Control and Countermeasure Plan (SPCC) for the West Ridge Mine currently on file with the Division, and included in Attachment 14 for ready reference.

Prior to final reclamation, all drillholes will be plugged and sealed in accordance with State and Federal regulations, as discussed in the Chapter 5 section above. Upon final reclamation, any portion of the gravel surface that is stained or contaminated in any way with hydrocarbons will be dug up and hauled off the site to an approved waste disposal facility. After removing any contaminated gravel, the pad area and cutslopes will then be backfilled to approximate original contour, using fill material obtained from the adjacent roadway and leveling pads, and covering up the diversion ditch and the remaining gravel in the process. The slopes will then be re-topsoiled. The surface will then be pocked and re-seeded

with an approved seed mix as described in the Chapter 2 discussion. A layer of wood straw will also be spread over the reclaimed slopes to help minimize erosion, and promote vegetation growth. After the reclaimed slopes have been topsoiled and reseeded, a row of excelsior logs will be installed along the full length of the toe of the slope between the slope and the remaining road, as shown on the Reclamation Plan, Attachment 1. The purpose of this row of excelsior logs is to control sediment off the site until the revegetation has become established. These sediment control logs will remain in place until vegetation has been established adequate for Phase 2 bond release.

R645-301-712 Certification

All cross sections, maps, and plans have been prepared per R645-301-512.

R645-301-713 Inspection

Impoundments will be inspected as described under R645-301-514.300.

R645-301-720 Environmental Description

R645-301-721 General Requirements

The existing, pre-mining hydrologic resources within the permit and adjacent areas that may be affected by coal mining and reclamation operations are described by Mayo and Associates (1997; 7-1 "Groundwater Investigation of Proposed Mine Permit Area", 2001; 7-1A "Investigation of Surface-Water and Groundwater Systems in the Whitmore LBA Area") and summarized below.

Groundwater Resources

A spring and seep survey of the West Ridge area was conducted in 1985-86 by Kaiser Coal Corporation (1986) as shown in Appendix 7-6. Additional seep and spring survey data from the northeastern part of the project area was collected later in 1999 and 2010, as shown in Appendix 7-6A. Locations of the springs and seeps in this area are shown on Map 7-6 "Hydrologic Monitoring Map (Historical Monitoring Locations)". No water supply wells exist in the permit and adjacent areas.

Within the permit and adjacent areas, groundwater naturally discharges from alluvium and colluvium, and the Colton, North Horn, and Price River Formations. Over 90% of springs in the permit and adjacent areas issue either from alluvium/colluvium or the Colton and North Horn Formations, which form the caprock of nearly the entire permit area. Springs that issue from the Price River Formation are uncommon. Groundwater does not naturally discharge from the Castlegate and Blackhawk Formations within the permit and adjacent areas. However, groundwater occurs in some permeable horizons of the Blackhawk Formation. Most notably, groundwater is present in well DH86-2, which is open to the entire thickness of the Sunnyside Sandstone member of the Blackhawk Formation.

Springs that discharge from alluvium and colluvium and the Colton and North Horn Formations on the east slope of West Ridge in Whitmore Canyon contribute base flow to Grassy Trail Creek. Discharge from springs on the west side of West Ridge is small and is consumed by evapotranspiration and infiltration before reaching perennial streams.

Surface Water Resources

The mine permit area drains into Grassy Trail Creek via two principal drainages. The region east of West Ridge and west of Patmos Ridge drains into Grassy Trail Creek through Whitmore Canyon. Numerous small ephemeral creeks drain the western face of West Ridge and flow westward toward lower Grassy Trail Creek. Grassy Trail Creek ultimately discharges into the Price River near Woodside, Utah, approximately 20 miles to the south.

R645-301-722 Cross Sections and Maps

- As described by Mayo and Associates (1997; Appendix 7-1, 2001; Appendix 7-1A), groundwater systems in the permit and adjacent area have limited areal and vertical extent due to the heterogeneous lithology of the rock units containing and overlying the coal-bearing strata. No aquifers exist in the permit and adjacent areas. Therefore, no map has been prepared to show the location and extent of subsurface water.
- The location of surface water bodies can be found on Map 7-3 "Water Rights", which shows Grassy Trail Reservoir and its location with respect to the permit area.
- Baseline monitoring stations are shown on Map 7-6 "Hydrologic Monitoring Map (Historical Monitoring Locations)". This map shows the stations that were utilized to collect historical baseline information in earlier monitoring programs conducted between 1985 and 1996.
- The location of water wells is also shown on Map 7-6. DH 86-2 was monitored during 1986, 1987, 1997 and 1998.
- 722.500 Map 5-1 shows contours of the proposed disturbed mineyard area.

R645-301-723 Sampling and Analysis

Water quality sampling and analyses have been and will be conducted according to the "Standard Methods for the Examination of Water and Wastewater" or EPA methods listed in 40 CFR Parts 136 and 434. Laboratory reporting sheets indicate the specific method used for each parameter.

R645-301-724 Baseline Information

Baseline groundwater, surface water, geologic, and climatologic data are described by Mayo and Associates (1997; 7-1, 2001; 7-1A).

724.100 Groundwater Information

The location of wells and springs are shown on Map 7-5, Seep/Spring Survey Map, and 7-6, Hydrologic Monitoring Map (Historical Monitoring Locations). Groundwater rights in and around the permit and adjacent areas are shown on Map 7-3 and tabulated in 7-5 "Water Rights Summary".

Kaiser Coal Company (a previous owner of the WEST RIDGE lease area) had identified and proposed monitoring for several other springs in the region. Review of their 1986 permit application to DOGM was interrupted by the sale of the coal leases to BP America in 1987. BP America retained JBR Consultants to proceed with baseline water monitoring. JBR Consultants renumbered previously monitored points into a different numbering system. In places of this WEST RIDGE Permit Application Package (such as Appendix 7-1, Table A-1) a cross-reference is made between the previous (Kaiser) spring numbers and the present (JBR) labels. Mining plans for both Kaiser Coal and BP America included a larger mining area. When WEST RIDGE acquired the property they did not acquire a portion of the coal lease area referred to as the north area. Therefore, in the WEST RIDGE PAP, those monitoring points that were north of Bear Canyon were eliminated from the baseline monitoring plan due to their distance from the current proposed mine workings and the low potential to be impacted by mining operations.

SP-1, SP-2 and SP-3 were spring monitoring points used by Kaiser Coal during the mid-1980's. These three points were located in Rock Canyon, several miles to the north of the WEST RIDGE permit area. They were eliminated from the monitoring program because they are quite a distance from the permit area and would not be affected by the WEST RIDGE mining operations.

Also, SP-4 and SP-5 (referred to in the Kaiser plan as S-40 and S-39) were eliminated from the monitoring plan because they occur about a mile north of Bear Canyon and are separated from the proposed mining area by several large drainages. The likelihood of impact to these sites is negligible since WEST RIDGE did not acquire coal leases in this area. SP-4 and SP-5 were monitored in 1988 and 1989 and found to be dry. These sites have been added to Map 7-6 for reference to historical monitoring locations.

SP-7 (Kaiser point S-22) is located about ½ mile north of the permit area. It was not included in the baseline monitoring program because access is poor and, during previous monitoring in the spring of 1986, flows were low (1-3 gpm). When this site was re-checked in 1988, 1989 and the fall of 1997 no flow could be found in the vicinity of the old spring. SP-10 (Kaiser S-1) is in the lower right-hand corner of the permit area was also eliminated from the baseline monitoring plan because of difficulty of access and low previous flow measurements. This site was also revisited in 1988, 1989 and 1997 and no flow or dampness could be located. No water rights exist on SP-4, SP-5, SP-7 or SP-10. SP-7 and SP-10 are included on Map 7-6 for reference to historical points.

Seasonal quality and quantity of groundwater and usage is described in the 1985-86 spring and seep survey (Appendix 7-6) and WEST RIDGE Resources, Inc.'s baseline monitoring during 1997 (Appendix 7-2 "Baseline Ground Water Monitoring & Analyses"). These data have been analyzed by Mayo and Associates (1997; Appendix 7-1, 2001; Appendix 7-1A).

Drill Hole 90-1

DH90-1 was developed as a water supply well by Sunnyside Coal Company, East Carbon City, and Sunnside City. Sunnside City and East Carbon City have a water right (91-4960) for 31.621 ac-ft per year (19.6 gpm) from this well.

Information for the state engineer's office in Price (Mark Page, Personnal Communication) indicates that the well has a total depth of 500 feet. The well has a gravel pack from 207 to 500 feet below ground surface. According to Sunnyside Coal Company (1993), the well is completed in the Price River and North Horn Formations.

Because the well is located two thirds of a mile from the lease boundary, and is completed in the Price River and North Horn Formations, it is very unlikely that mining in the permit area will affect groundwater systems that contribute water to DH90-1.

724.200 Surface Water Information

The location of streams, reservoirs, and stock watering ponds are shown on Map 4-1. Surface water rights in and around the permit and adjacent area are shown on Map 7-3 and tabulated in Appendix 7-5 "Water Rights Summary".

WEST RIDGE Resources, Inc. anticipates that as mining progresses, it may become necessary to discharge water from the proposed mine. Mine water will be discharged to the ephemeral drainage in C Canyon. The location of the mine discharge point is shown on Maps 5-5 and 7-2, Mine Site Drainage Map.

Surface water quality and quantity is shown in WEST RIDGE Resources, Inc.'s baseline monitoring data (Appendix 7-3 "Baseline Surface Water Monitoring & Analyses") and is described in detail by Mayo and Associates (1997; Appendix 7-1, 2001; Appendix 7-1A). Additional surface and groundwater baseline data has been added to Appendix 7-1, Table A-1. Monitoring records from Kaiser Coal Company have been located and added to the data base. This includes monitoring of surface sites on ephemeral drainages around the area.

As described in R645-301-728.320, no acid drainage is expected from the proposed mining operation.

Upper Grassy Trail Creek Drainage

Most of the surface water flowing into Grassy Trail Creek in Whitmore Canyon above Sunnyside discharges from several ephemeral streams located on the western slopes Patmos Ridge (1998 Mayo and Associates report, Figure 15). These streams include Number Two Canyon, Pasture Canyon, Pole Canyon. Bear Canyon, Water Canyon, the Right and Left Forks of Whitmore Canyon, Graveyard Canyon, Hanging Rock Canyon, and Spring Canyon. No major streams flow into Grassy Trail Creek in Whitmore Canyon from the eastern slope of West Ridge due to the asymmetry of the ridge. Discharge in Grassy Trail Creek in Whitmore Canyon is regulated at Grassy Trail Reservoir.

Side tributaries to Grassy Trail Creek along the western slope of Patmos Ridge are characterized by steep gradients (greater than 25%), narrow canyons, and gravel streambeds with sand and silt where gradients are reduced. Tributary flow is intermittent and in response to precipitation events.

Above the reservoir, Grassy Trail Creek lies in a relatively broad canyon (30 to 100 yards wide) with a low gradient (3 to 4%). The channel bottom locally consists of boulders, gravel, sand, or mud. The Right and Left Forks of Grassy Trail Creek lie in narrow canyons with steep gradients. The Utah Supreme Court has determined that Grassy Trail Creek is an intermittent stream (Decree #3028). During wet periods, base flow above the reservoir is sustained by high elevation springs, mostly in the Colton Formation. During dry years, there is no sustaining groundwater baseflow to support flow in the creek. Below the reservoir Grassy Trail Creek is now a perennial stream due to the buffering effect of the reservoir.

Monitoring stations on Grassy Trail Creek have been established at ST-3, which is above Grassy Trail Reservoir near Hanging Rock Canyon, and below the reservoir at ST-8 near the confluence with Water Canyon (Mayo and Associates 1998 report, Figure 16). During May, June, August, and October of 1997, Andalex made stream flow measurements at these locations. On average, discharge between ST-3 and ST-8 increases by about 200 gpm during this time. In June, However, flow increased between these two stations by 1,700 gpm. We suspect that this increase is the result of surface water inflows from ephemeral side drainages during the snowmelt period.

Visual observations during low-flow stream conditions suggest significant base flow gains in the reach between the reservoir and the mouth of Whitmore Canyon. Mayo and Associates observed Grassy Trail Creek between the confluence with Water Canyon and the mouth of Whitmore Canyon on 21 November 1997. The results of the observations are presented below.

Location	Discharge (gpm)
Confluence with Water Canyon	150¹
Base of Blue Gate Sandstone	298
Mouth of Whitmore Canyon	2751

¹ Estimated values; the channel was frozen over and measurements were not possible.

Discharge in Grassy Trail Creek doubled in the reach from the confluence with Water Canyon (alluvium overlying North Horn Formation) to the base of the Bluecastle Member of the Price River Formation. Much of the increase comes from several small springs and seeps, which visibly discharge from the stream bank into the creek. In the reach from below the Bluecastle Member to the mouth of Whitmore Canyon flow remained relatively constant. Most of the increase in flow occurs as the stream flows over alluvial and colluvial deposits. The canyon widens substantially in this reach and the alluvial deposits appear to be thicker than in the higher elevations in the canyon. The increase in stream flow is likely the result of delayed drainage from the alluvial and colluvial deposits. However, it is possible, though less likely, that the increase in flow is the result of groundwater leakage from permeable sandstone horizons in the Price River Formation.

No increase in discharge in Grassy Trail Creek is observed as the creek flows over the Blackhawk Formation near the mouth of the canyon. This suggests that there is no appreciable discharge from the Blackhawk Formation to the creek. This finding is in agreement with many other stream gain-loss measurements performed by Mayo and Associates in the Book Cliffs and Wasatch Plateau coal fields.

In the mouth of Whitmore Canyon, streamflow in Grassy Trail Creek is lost to the alluvial sediments associated with the Mancos Shale. Waddell (1981) reports that the composition of groundwater in the alluvium near the mouth of Whitmore Canyon in Whitmore Spring (D-15-13)1ddc-S1 and well (D-15-13)2 dad-1 have solute compositions and TDS concentrations that are similar to those in lower Grassy Trail Creek. This suggests that the creek and the thick alluvial deposits in the mouth of the canyon are probably in good hydraulic connection. Several springs with discharges of less than 10 gpm discharge from the alluvium near the mouth of the canyon. These springs are likely recharged from leakage from Grassy Trail Creek. During dry periods, Grassy Trail Creek dries up completely before reaching the confluence with Bear Creek and Rock Canyon Creeks west of the permit area. The reduction of flow in the creek in this reach is due primarily to infiltration into the thick alluvium and to losses to evapotranspiration.

Water Rights

Water rights on Grassy Trail Creek are shown on Map 7-3 and tabulated in Table 7-5.

Water Quality

Surface water in upper Grassy Trail Creek is of the magnesium-calciumbicarbonate type with considerable concentrations of sodium and sulfate. Average TDS concentrations are approximately 350 mg/l at ST-3 and 277 mg/l at ST-8. Below the confluence with Water Canyon Creek, the TDS and chemical character of Grassy Trail Creek changes. The TDS steadily increases to about 1,000 mg/l. Na⁺ becomes the dominant cation and there are also substantial increases in SO₄²⁻ and HCO₃⁻.

Bear Canyon Drainage

Flow Characteristics

The discharge from the Bear Canyon drainage (which is tributary to Dugout Creek) is described as ephemeral in the Mayo and Associates report (p. 53). However, historical monitoring location ST-2 in the left fork of Bear Canyon is considered an intermittent stream monitoring site (Mayo and Associates report, page 52).

Flow in the upper reach of the left fork of Bear Canyon is intermittent for about 500 feet. Water in this upper reach is supported by intermittent discharge from a spring complex (including historical monitoring location SP-6). Intermittent flow is not sustained below this stretch of the drainage due to infiltration and therefore does not reach the LBA boundary.

Data from monitoring sites ST-4 and M-2 indicate that discharge from the Bear Canyon drainage is ephemeral. In May 1988, no flow was observed at M-2 (refer to Table A-1). The PHDI (Figure 3a and 3b) indicates that 1988 was not a drought year. No flow was observed at ST-4 during 1989; however, this year was the beginning of a drought period in the region. At ST-4, no flow was observed in the drainage in March, May, June, July, August or September 1997, or May, June, July, August or September 1998.

M-1 (ST-1) was a monitoring point used by Kaiser Coal during the mid-1980's. The point was identified as M-1 by Kaiser Coal in their 1986 permit application package. It was later redesignated as ST-1 by JBR Consultants in a monitoring plan later submitted for BP America. This point was located in Rock Canyon (approximately 2 miles to the northwest of the WEST RIDGE permit area in T. 13 S. R 13 E. Section 32 NW1/4 SW1/4 on Rock Creek. When WEST RIDGE (Andalex) took over the monitoring program in 1997, they decided to utilize the same numerical designations of the monitoring points to minimize confusion over numbering and to maintain continuity in the baseline monitoring plan and facilitate utilization of previously collected hydrology information. Rock Creek was not included in the baseline monitoring plan for the WEST RIDGE mine because of the distance from the lease area and the low potential for mining operations to have any impacts. However, rather than renumbering the stations and causing confusion, it was decided to leave the existing numbering scheme in place but sample only those site important to the current mining proposal. The WEST RIDGE monitoring program does not include ST-1 and this point is not shown on the operational monitoring map (Map 7-7).

Water Rights

Surface water rights (91-1717 and 91-1722) for the intermittent reach of the left fork of Bear Creek have a period of use of March 15 to October 31. Data from ST-2 indicate that water is available in the upper left fork during this period in normal to wet years. During dry years, this stretch is dry.

All other surface water rights for Bear Creek below the intermittent reach have a year-round period of use. However, as discussed above, all of Bear Creek below the headwaters of the upper left fork only supports ephemeral flow.

Water Quality

Surface water at ST-2 is a Mg²⁺-HCO⁻₃₋SO₄²⁻ type water with elevated TDS (1,100 mg/l) relative to surface water in upper Grassy Trail Creek. Only one surface water sample has been collected at the ephemeral monitoring location M-2. This water had a TDS of 1,820 mg/l indicating that the quality of water naturally degrades between ST-2 and M-2.

Hydrologic Resources of the Topsoil Borrow Area.

The 9.6 acre area identified as the topsoil borrow site is a gently, westward sloping bench. The surface is covered with sagebrush and pinyon juniper. No seeps or springs exist in or around the borrow site. What little surface runoff occurs would flow to ephemeral drainages downstream from the borrow site. Surface runoff is minimized by the vegetative cover and relatively deep soil horizons in this area. Due to the limited areal extent of the borrow area, it does not appear to contribute a significant amount of runoff to adjacent drainages. There are no known aquifers in this area that would be recharged by this watershed area.

During reclamation, if it is determined that topsoil resources from this potential borrow site are needed to achieve reclamation of the mine site, silt fencing would be placed around the outer limits of the borrow area to be disturbed. Topsoil would be stripped and stockpiled. The required amount of topsoil would then be removed from the borrow site. Care would be taken to contour the borrow pit such that runoff would be utilized to the fullest extent in the disturbed area. This would include gouging the regraded surface with pits approximately 24" wide, 36" long and 18" deep as well as sloping the regraded slopes inward to encourage precipitation infiltration on-site.

724.300 Geologic Information

Geologic information in sufficient detail to determine the probable hydrologic consequences of mining and determine whether reclamation can be accomplished, as required by R645, is provided in Chapter 6 of this permit application package and in Mayo and Associates (1997; Appendix 7-1, 2001; Appendix 7-1A).

724.400 Climatological Information

724.411 Seasonal precipitation

Average annual precipitation at Sunnyside is 13.3 inches (NCDC, 1997) while estimated potential evaporation is over 60 inches (Sunnyside Coal Company, 1993). Mean monthly precipitation at Sunnyside is shown on Figure 7-1 "Hydrologic Monitoring Protocols and Locations". On average, the area receives the greatest quantity of moisture in the late summer and early fall (August-October). The driest months are November to February.

The precipitation and temperature data described above is typical of the lowland areas at the base of the Book Cliffs. Although data are not available for the higher elevations of the permit area, average precipitation likely increases and average temperatures likely decreases with elevation.

The Palmer Hydrologic Drought Index (PHDI; NCDC, 1997; Karl, 1986; Guttman, 1991) indicates long-term climatic trends for the region. The PHDI is a monthly value generated by the National Climatic Data Center (NCDC) that indicates the severity of a wet or dry spell. The PHDI is computed from climatic and hydrologic parameters such as temperature, precipitation, evapotranspiration, soil water recharge, soil water loss, and runoff. Because the PHDI takes into account parameters that affect the balance between moisture supply and moisture demand, the index is a useful for evaluating the long-term relationship between climate and groundwater recharge and discharge. Figures 7-2 Palmer Hydrologic Drought Index for Utah Division 6 and 7-3 Palmer Hydrologic Drought Index for Utah Division 7 show the PHDI for Utah Division 6 (Uintah Basin) and Division 7 (Southeastern Utah), respectively. The permit area lies at the boundary of these two regions. These graphs indicate extremely wet years between the early and late 1980s, followed by several years of drought in the late 1980s and early 1990s. Since about 1993, wet and dry cycles have been shorter.

724.412 Winds direction and velocity

Wind data have been collected by SCA (Sunnyside Cogeneration Associates) during 1982 and 1983 for permitting of the power plant. These data (Sunnyside Coal Company, 1993) were collected in Dragerton (near East Carbon, Utah) atop a 45-meter tower. The data show that the majority of the winds are from the north-northeast clockwise through the south-southwest. The average annual wind speed is 6.2 mph.

Upper level winds, over 1,600 feet above the ground level, are generally from the southwest during most of the year. During the winter, air flow from the northeast is common. Local airflow patterns are primarily influenced by stream and river drainages. Wind speeds induced by the descent of dense cold air is generally light. The daytime flow is strongly influenced by surface heating effects which result in mixing between surface and upper level flows. In the permit area there is a general air flow toward the north and northeast during the day (high elevations) and toward the southwest (lower elevation) during the night. Wind speeds are usually light to moderate (below 20 mph). Higher wind speeds are generally associated with storm systems and higher elevations such as ridge tops.

724.413 Seasonal temperature ranges

Temperatures in the permit area vary greatly both daily and seasonally. Temperature data collected at the Sunnyside Mine engineering office (Sunnyside Coal Company, 1993) indicate that average temperatures are generally below freezing in the winter months and summertime temperatures range from 50 - 90°F.

724.500 Supplemental Information

Adverse impacts to the hydrologic balance either on or off the permit area are not expected to occur based on the probable hydrologic consequences determination in R645-301-728. Acid- and toxic-forming materials present in mining materials will not cause contamination of groundwater or surface-water supplies. Consequently, information regarding remedial and reclamation activities has not been prepared.

724.600 Renewable resource lands

Aquifers or areas for the recharge of aquifers do not exist within the permit and adjacent areas. As described by Mayo and Associates (1997; Appendix 7-1), groundwater systems in the permit and adjacent area have limited areal and vertical extent due to the heterogeneous lithology of the rock units containing and overlying the coal-bearing strata.

Limited groundwater recharge occurs on the land surface within the permit area because of the steep slopes and cliffs. Springs that discharge in the permit area are most likely associated with shallow alluvial and colluvial materials. Mining should not affect the recharge or discharge of these springs. Groundwater recharge to the Colton and North Horn Formations within the permit area may discharge as springs in Whitmore Canyon because of the northeasterly dip of the rocks. Due to abundant claystone and mudstone in these formations and the thickness of the interburden between these formations and the mining horizon, mining will not impact groundwater in these horizons.

Adjacent to the permit area, the upper slopes of the east side of West Ridge are the recharge area for Colton Formation groundwater systems that discharge as springs in Whitmore Canyon and contribute base flow to Grassy Trail Creek. These groundwater systems occur in the shallow subsurface and will not be undermined. Mining will have no impact on the recharge and discharge of these springs.

724.700 Not applicable.

R645-301-725 Baseline Cumulative Impact Area Information

Mayo and Associates (1997; Appendix 7-1, 2001; Appendix 7-1A) have analyzed geologic and hydrologic information and prepared a document describing the surface-water and groundwater systems of the permit and adjacent areas. This report contains the information to assess the probable cumulative hydrologic impacts of coal mining and reclamation operations as required by R645-301-729.

The hydrology and geology of the area around Grassy Trail reservoir is discussed in a seismic analysis report (see Appendix 5-11) and the Phase II dam safety report (see Appendix 5-12). These reports conclude that it is unlikely that mining induced seismicity or subsidence will impact the performance of the Grassy Trail Dam and Reservoir. Based on the conclusion of this study the BLM has approved the R2P2 to allow full extraction longwall mining of Panel #7. BLM also added a special stipulation #17 to the federal lease related specifically to the Grassy Trail Rservoir, stating, "The Lessee is and will remain liable for any and all damages or hazardous conditions resulting from the mining operations under the lease."

Based on BLM's approval the company then successfully mined longwall panel 7 from December, 2005 through September, 2006. Soon thereafter, RB&G Engineering prepared a summary post-mining report on the mining related affects on the reservoir (see Appendix 5-16). Still later, in 2010, RB7G Engineering prepared an additional update to the summary report (see Appendix 5-17). Based on these reports, BLM has recently approved the R2P2 to allow additional longwall mining of panel block 18-20 on the east side of the mains in the vicinity of (i.e., west and north of) Grassy Trail reservoir (see Appendix 5-3C). This new approval contains the same lease stipulation #17, as with the previous approval of panel 7.

R645-301-726 Modeling

No numerical models have been created for the permit area.

R645-301-727 Alternative Water Source Information

The determination of the probable hydrologic consequences (R645-301-728) indicates that the proposed coal mining activities will not result in the contamination, diminution, or interruption of groundwater or surface-water sources within the proposed or adjacent areas. Therefore, WEST RIDGE Resources, Inc. has not prepared information regarding alternative water sources.

R645-301-728 Probable Hydrologic Consequences (PHC) Determination

This section describes the probable hydrologic consequences (PHC) of underground coal mining in the permit area. This determination is based on the data and information presented previously in this chapter and by Mayo and Associates (1997; Appendix 7-1, 2001; Appendix 7-1A). The PHC will be updated, if needed, following the collection and analyses of information gathered during the 1998 field season.

728.310 Potential adverse impacts to the hydrologic balance

Longwall coal mining may result in land subsidence and bedrock fracturing. Subsidence and fracturing have the potential to impact the hydrologic balance if fracturing increases the vertical hydraulic conductivity of overburden rock. Possible consequences of fracturing include decreasing discharge rates of near-surface groundwater while increasing the recharge rates of deeper groundwater systems.

Mining will occur in the Lower Sunnyside Seam of the Blackhawk Formation. Over 90% of the springs in the West Ridge area discharge from near-surface groundwater systems in alluvial/colluvial materials and the Colton and North Horn Formations. The thick interburden between the mined horizon and the near-surface groundwater systems and the presence of swelling clays in the North Horn Formation will prevent fracturing and subsidence from increasing vertical hydraulic conductivities and decreasing spring discharge rates.

Groundwater that is encountered by mining operations will likely be old, meaning that recharge occurred thousands of years in the past. Well DH86-2 encountered water in the Sunnyside Sandstone below the coal seam to be mined. This water has a radiocarbon age in excess of 11,000 years.

Groundwater systems encountered in the Blackhawk Formation occur in isolated

sandstone paleochannels, fractures, and faults. These groundwater systems are not in active hydraulic communication with the surface and have limited areal and vertical extent. Mining could dewater some of these systems if they are intercepted during mining operations. Because of the limited spatial extent of these systems, discharge from these isolated groundwater systems will cease soon after interception by mine workings.

Mining could also encounter water impounded in the old Sunnyside mine workings. In order to avoid accidentally mining into flooded workings, the West Ridge mine will perform exploratory drilling ahead of development when active mine works are within 500 feet of the projected Sunnyside workings. Face drills will be used to drill at least 100 feet out in advance of the actual mine face development. The exploratory face drill will be a small diameter and if water is encountered from the old works the drill hole can easily be plugged and sealed. The West Ridge mine plan assumes that development will proceed to within 300 feet of the old works. West Ridge mine intends to stay away from the old works but will drill ahead as a precautionary measure in the event that the mine maps or surveying has a margin of error.

Based on the analysis of the probable hydrologic consequences (PHC), it has been concluded that it is highly unlikely that mining in the West Ridge area will result in the decrease of groundwater discharge rates.

Grassy Trail Creek above Grassy Trail Reservoir flows across the WEST RIDGE permit area. The stream channel in this area is underlain by approximately 2,000 feet of cover, which includes the entire thickness of relatively unfaulted and unfractured North Horn Formation, which is known to form an effective barrier to vertical groundwater migration (Mayo and Associates, 1998) and is known to contain hydrophillic clays that swell when wetted to seal any fractures that may form. Therefore, the potential for the interception and diminution of surface water flows in Grassy Trail Creek as a result of mining induced subsidence is minimal. Where differential subsidence may potentially occur beneath Grassy Trail Creek, such as along longwall panel ends or above gate roads, there is the potential for localized increases or decreases in stream gradients. These changes can result in minor changes to the stream morphology, including changes in the number of pools, runs, glides, etc. Differential subsidence of the channel substrate also has the potential to result in temporary increases or decreases in sediment yield. However, because a steep, mountain stream flowing on alluvial or soft bedrock substrate has the tendency to rapidly erode elevated areas and deposit sediment in lowered areas, these effects are commonly short-lived, as the stream system is rapidly brought back into equilibrium.

In order to assess the impacts of full extraction mining beneath perennial streams in the Utah Coal District, several comprehensive investigations of the Burnout Canyon drainage above Canyon Fuel's Skyline Mine have been conducted (Forest Sciences Laboratory, 1998; Sidel, 2000). The findings of these investigations indicated that 1) baseflow discharge rates during and after subsidence of the drainage were not statistically different at the 0.05 level, 2) there was no indication that water was lost

from Burnout Creek as a result of longwall undermining of the drainage, and 3) some minor changes in stream morphology, including changes in the pool/riffle ratio of the stream channel were noted; however, similar changes in the study's control area (James Canyon) were also noted, indicating that the observed morphological changes could have been at least in part the result of non-mining-related factors. They found that the changes in channel morphology were generally short lived. Subsequent to the publication of these investigations, the Burnout Canyon drainage has been further subsided as a result of multiple seam extraction beneath the creek. No perceptible or quantifiable impacts to the drainage have been detected as a result of this mining activity (USFS, 2001).

Burnout Creek and upper Grassy Trail Creek, both being relatively steep-gradient mountain streams, are in many senses generally comparable. However, while overburden thicknesses in the Burnout Canyon area range from about 600 to 850 feet, overburden thicknesses beneath Grassy Trail Creek are approximately 2,000 feet. Therefore, it is reasonable to assume that the hydrologic impacts to upper Grassy Trail Creek, where only single seam extraction under significantly greater cover, will be similar to (or lesser than) the minimal impacts experienced in the Burnout Canyon area.

For the reasons discussed above, it is believed that the impacts to Grassy Trail Creek above Grassy Trail Reservoir as a result of longwall mining beneath the creek will be negligible.

No mining is proposed beneath or within the angle of draw of Grassy Trail Reservoir. Therefore, the potential for loss of water from reservoir leakage is believed to be negligible.

Bear Canyon is situated in the northwest portion of the permit area within the SITLA lease area. This canyon is unique because it is within the right fork of this drainage that the cover over the longwall subsidence zone is the shallowest of anywhere in the entire permit area. In one part of the bottom of the (right fork) Bear Canyon drainage the cover over the longwall panes is approximately 325'. Due to the increased potential for the effects of subsidence to reach the surface in this area special attention has been focused on the hydrologic character of the Bear Canyon drainage.

Bear Canyon is typical of the canyons draining the southwest-facing front slopes of the Book Cliffs in this area. These canyons are generally shorter and drier than those drainages on the back-side of the Cliffs. Several baseline surveys of Bear Canyon right fork done in the late 1980's showed the drainage to be mostly dry and the canyon was identified as ephemeral along with other similar front-facing canyons in the permit area, such as "C" Canyon, "B" Canyon, and "A" Canyon. However, during site visits in June and July of 2005, substantial stream-flow was observed in the drainage. This occurrence of flow, along with the observation of riparian vegetation in the lower stretches of the canyon, has led to a re-evaluation of the classification of the drainage as intermittent. Also, because the area of the Bear

Canyon watershed is greater than one square mile the drainage is classified as intermittent under DOGM regulations.

Historical observation of Bear Canyon shows the streamflow in the bottom of the drainage to be a combination of surface flow and subsurface flow. In those areas where bedrock is at or close to the surface, flow is forced up to the surface. In other areas where the alluvium in the channel is thick and porous the flow is subsurface and the stream channel is often dry. The stretches of channel exhibiting surface flow as opposed to subsurface flow will vary from season to season, and year to year depending on prior precipitation trends in the watershed. There are times when the entire length of the channel could be expected to exhibit surface flow, and other times when surface flow is confined to certain segments. And, according to past monitoring observations, there are often times when there is no flow in the stream channel. In order to better define the hydrologic character of the canyon WEST RIDGE Resources will expand the monitoring program in Bear Canyon by adding two new monitoring sites and relocating a third site (see Map 7-7 and Table 7-1).

As mentioned previously, there is a point in the right fork of Bear Canyon where cover over the longwall panel will be about 325' which is the shallowest surface cover of any place within the current WEST RIDGE mine plan. This, along with the fact that there are state-appropriated surface water rights in this drainage (refer to Appendix 7-5), makes this an area of special interest. There is reason to expect that full-extraction longwall mining will not adversely affect the hydrologic resources of the canyon in this area. According to Syd S. Peng, ("Coal Mine Ground Control", 1978, Wiley, New York) a general rule-of-thumb is that subsidence-related fractures can be expected for a distance above the coal seam equal to 50 times the mining height, which works out to be 316' for the shallow point in Bear Canyon, which is slightly less than the cover in that area. Therefore due to the shallowness of cover in this area there could be subsidence fractures which reach the surface in the bottom of the canyon, and mitigation will be done to protect the resource.

The shallow overburden point coincides with the inflection point of the longwall subsidence profile. Based on a 22 degree angle of draw the tension zone will extend along the surface from the inflection point (shallow point) downstream approximately 130'. Areas upstream from the inflection point will be in compression as the longwall panel are extracted in progression from the southwest to the northeast according to the approved mining plan. Cracks are more likely to open up in the tension zone as compared to the compression zone where lateral forces are pushing toward each other rater than pulling apart. As mining progresses to the northeast, cover increases rapidly because of the gradient of the channel bottom and the dip of the coal seam, and surface effects of subsidence should diminish in that direction. Therefore, it is expected that any cracking which might reach the surface should most likely appear in the canyon bottom in the 130' (plus/minus) tension zone down-canyon from the inflection point. Special subsidence monitoring will be focused on this area.

WEST RIDGE will establish two new hydrologic monitoring sites in the right fork of Bear Canyon. The first site (ST-11) will be located within the tension zone described above. This site was chosen because this location should be well-suited to determine if tension cracks have affected stream flow. It is also, coincidentally, one of the areas where the bedrock nature of the channel bottom forces water to the surface, thereby making streamflow measurements more accurate. The second site (ST-12) will be located about 2400' farther up-canyon in another area where, again, the bedrock nature of the channel allows for a more accurate streamflow measurement. A third monitoring site (ST-13) will be located below the forks of Bear Canyon just outside the permit area boundary. This site will replace the existing monitoring site ST-4.

During the flow season of 2005 and 2006 (that is, May 15 through September 15) site ST-11 will be monitored monthly as long as flow is present. This monthly monitoring will help better define the nature of streamflow prior to longwall extraction in the area, which is presently scheduled for May, 2007. Thereafter, monitoring will be done on the regular quarterly basis. Site ST-12 is more inaccessible, and could be dangerous to reach in the winter. Therefore this site will be monitored twice a year, once during late spring/early summer (expected peak flow) and once in late summer/early fall, when the canyons are normally much drier. Site ST-13 will be monitored quarterly.

The longwall is presently scheduled to pass under Bear Canyon in the spring of 2007. Prior to that, WEST RIDGE will complete a survey of a series of subsidence monitoring points established up the bottom of the drainage on either side of the inflection point. After the longwall has passed under the drainage these points will be re-surveyed and an accurate account undermined WEST RIDGE will visually inspect the area to determine if any effects of subsidence are apparent. Within thirty days of the inspection WEST RIDGE will submit a written report to the Division outlining the results of this inspection.

Recent site visits have determined the existence of riparian type vegetation in the lower reaches of Bear Canyon below the forks. WEST RIDGE commits to preparing a detailed vegetation survey and mapping of the canyon bottom with emphasis on the existence of riparian specie. This survey will be conducted during the growing season of 2005 or 2006. The survey will be done in consultation with Division biologists and the completed report will be added to the Mining and Reclamation Plan as an appendix.

If it is determined that mining-related subsidence has adversely impacted the hydrologic resources of Bear Canyon, including and state-appropriated water rights, WEST RIDGE will mitigate the damage. The first option would be to seal any cracks with the application of bentonite clay. Bentonite sealing compounds are available commercially made specifically for such applications. If bentonite sealing proved ineffective, WEST RIDGE would propose the installation of piping to

transport stream water across the fracture zone to continue the flow downstream. Any work done in the stream channel would most likely require the issuance of a channel alteration permit from the Utah Division of Water Rights.

Adverse impacts to the hydrologic balance resulting from the installation and operation of the Bear Canyon gob vent holes (GVH) are not anticipated. The basis for this conclusion is summarized below.

The gob vent holes will be constructed in a manner that minimizes the potential for adverse impacts to groundwater and surface-water resources and the hydrologic balance in the area. The proposed construction designs for the GVH holes include a nominal 20 foot length of 16-inch non-perforated steel surface casing that will be cemented in place. The surface casings will isolate the wells from surface-water, soil moisture, and any shallow groundwater potentially present in the upper 20 feet and will prevent shallow water from entering the GVH wells. From approximately 20 to 200 feet below the surface, the proposed well construction plans call for the placement of 9.625-inch non-perforated steel casing that will be cemented into place. The cemented steel well casing will isolate groundwaters that may be present in bedrock groundwater systems in the upper 200 feet from the GVH wells and prevent the inflow of groundwater into the wells.

Proposed construction plans call for the lower approximately 150 feet of the GVH wells to be cased with 8.75-inch slotted steel casing that will be left open to the rock strata and will not be cemented. The purpose of the slotted steel casing is to allow the drainage of gob gasses into the well bore in the fractured rock strata overlying the Panel 8 gob. While there is the potential for drainage of some Blackhawk Formation groundwater into the GVH holes in the 150 feet interval overlying the longwall gob, the potential for appreciable or sustained groundwater drainage through these wells is minimal. This is because 1) groundwater systems in the Blackhawk Formation occur in hydraulically isolated groundwater partitions that are not in hydraulic communication with adjacent groundwater partitions, which limits the amount of groundwater that could potentially be drained, 2) the GVH holes are situated near the up-dip ends (outcrop locations) of the Castlegate Sandstone and Blackhawk Formation which limits groundwater recharge potential and the potential for the interception of regional groundwater systems, and 3) the 150-foot interval of the Blackhawk Formation overlying the gob area was likely intensely fractured as a result of the longwall mining prior to the construction of the wells which would likely have drained the groundwater partitions immediately overlying the gob area at the time of mining. For these reasons, the potential for drainage of appreciable groundwater or surface-water resources through the GVH drill holes is considered low.

The potential for detrimental impacts to the ephemeral Bear Canyon Creek drainage or any associated alluvial groundwater systems is considered remote. Appreciable baseflow alluvial groundwater systems were not identified near the GVH location during the 7 October 2008 site visit. Additionally, because the GVH well bores will

be hydraulically isolated from the upper approximately 200 feet, the potential for impacts to water quality in the drainage are unlikely. The implementation of appropriate sediment control management practices will minimize the potential for increased sediment yield from the GVH site during the construction and operational phases of the GVH system.

Prior to final reclamation, the GVH drillholes will be plugged and sealed in accordance with State and Federal regulations. The casings will be plugged at the bottom to hold the concrete. A lean concrete mixture will be poured into the casing until the concrete is within five feet of the surface. At that time the casing will be cut off at ground level and the rest of the casing will be filled with lean concrete. The concrete will be allowed to harden before final reclamation is completed. In this manner, the potential for any long-term impacts to the hydrologic balance resulting from the GVH system will be minimized.

Spring Canyon is located in the northern part of the permit area in SITLA lease 44771. There are no state-appropriated water rights on this lease. (Refer to Appendix 7-5 for additional details.) The surface is privately owned by Penta Creek with whom WEST RIDGE maintains coal mining rights. Longwall mining in this area is not scheduled until the year 2014. In this area the coal seam is 2500' deep under the bottom of the Canyon. Spring Canyon, as the name would imply, contains several springs. The drainage area of Spring Canyon is well in excess of one square mile. The canyon supports a number of beaver dams indicative of perennial flow. WEST RIDGE will add three additional monitoring points to collect baseline water monitoring data in Spring Canyon, namely ST-15 located upstream from the junction of Grassy Trail Creek, SP-101 located on a channelbottom spring a short ways up Little Spring Canyon (a fork of Spring Canyon), and SP-102 located about 1000' upstream from the junction of Little Spring Canyon. This spring emanates from the west side of the canyon approximately 200' up from the canyon bottom. Refer to Map 7-7 and Table 7-1 for details. For the first two years (starting with the third quarter of 2005) these sites will be monitored on a quarterly basis for baseline data according to the field measurements and laboratory measurements outlined in Table 7-2 (Surface Monitoring) and Table 7-3 (Groundwater Monitoring). Thereafter, all sites will be monitored for flow and field parameters on a quarterly basis.

The Grassy Trail Dam and Reservoir is located immediately outside the eastern boundary of the permit area. This dam/reservoir is owned and operated by the cities of East Carbon and Sunnyside, has a storage capacity of 916 acre-feet, and provides most of the culinary water supply to these municipalities. The dam lies approximately 1664' vertically and 995' horizontally away from the nearest point of projected underground mining (longwall panel #7). This equates to 31 degrees, which is greater than the normal angle of draw associated with longwall subsidence. WEST RIDGE Resources has hired R,B&G Engineering to prepare a detailed evaluation report of the potential effects of longwall mining on the dam and reservoir. This evaluation report was reviewed by the Division of Dam Safety,

DOGM, Bureau of Land Management, and the cities of East Carbon and Sunnyside. The report analyzed the potential impacts from both subsidence and seismicity associated with full extraction mining, with specific emphasis on panel #7, the longwall panel projected for mining nearest to the dam. The report concluded that the risk to the dam and reservoir is minimal, and that event the maximum probable seismic event or subsidence scenario would be well within the safety factor of the dam. In addition, there are no known faults that intercept the dam that could be encountered in the mining of Panel #7. The Division of Dam Safety, the BLM, and the cities of East Carbon and Sunnyside have all accepted the conclusions of the report. This report (Grassy Trail Dam and Reservoir Seismicity Report) is included in Appendix 5-11. This report also includes as an appendix an independent report prepared by Agapito Associates (Estimated Impacts to the Grassy Trail Reservoir due to Longwall Mining) which addresses the potential effects on the dam/reservoir due to longwall induced subsidence. A companion report (Grassy Trail Dam & Reservoir Phase II Dam Safety Study) is included as Appendix 5-12. WEST RIDGE has committed to an intensive program of monitoring of the dam and reservoir during the mining of Panel #7. This monitoring plan is outlined in section 301-114.100 of this Mining & Reclamation Plan and is included indetail in Appendix 5-13.

Based on subsequent approval of the mine plan, panel #7 was extracted starting in December, 2005, and completing in September 2006. Extraction closest to the Grassy Trail Reservoir occurred in March, 2006. Monitoring, as described above, was conducted continuously during the mining of panel #7. As predicted by the RB&G report, there was no mining related damage to the dam, although some slumpage of the adjacent hillside occurred, resulting in minor movement of the west abutment of the dam. There was no loss of integrity of the earthen structure of the dam. In January, 2008, after the area above and adjacent to panel 7 had completely stabilized, RB&G Engineering prepared a post-mining Summary Report of the mining-induced seismicity. This report is included in Appendix 5-16.

After panel 7 was completed, longwall mining moved to the west side of the mains near the outcrop (more than two miles distant from the dam), and then proceeded to the northeast. Also during this time, the company went to a panel-barrier system of longwall extraction, replacing the previous side-by-side panel method. This panel-barrier system leaves a 400' wide solid barrier pillar between each longwall panel, and has significantly reduced the magnitude and frequency of mining-related seismic events. During the ensuing five years of mining, the company has continued to monitor the dam and reservoir. Results of this monitoring have been provided to all the regulatory agencies and the owners of the reservoir on a regular basis. The results of this monitoring have shown that all mining-related effects on the reservoir have stabilized. RB&G Engineering then, in September, 2010, prepared a summary report update of the subsequent mining-induced seismicity, and this report is included in Appendix 5-17.

On July, 21, 2010, BLM approved the R2P2 for federal lease UTU-78562 and

approved mining of panels 18, 19 and 20 on the east side of the mains in the vicinity of the Grassy Trail Reservoir. In the decision document, BLM states, "We agree with the conclusion that mining longwall panels 18 through 20 as submitted should have no adverse effects on the dam structure or reservoir. The dam structure has seen no detectable affects from the mining of panel number 7. The proposed panels are further distant from the reservoir and much further from the Grassy Trails Reservoir dam. Also, the new panel-barrier design has reduced dramatically the amount and intensity of any mining induced seismicity or subsidence. Additionally, this mining plan will comply with the lease stipulation to not subside perennial streams, unless authorized, as the Left Fork Whitmore Canyon Stream will be under a barrier pillar and no full extraction mining is planned under the stream." A copy of the approved R2P2 for panels 18-20 is included in Appendix 5-3C. As with the previous mining of panel 7, the company commits to conducting the same level of intensive monitoring of the dam during longwall mining of panel block 18-20, as previously approved by the regulatory agencies, as stated above, and included in Appendix 5-13.

As mentioned in the BLM approval letter, mining of panel block 18-20 will be further distance away from the Grassy Trail dam than with panel 7. Panel 7 mined within 995' (horizontal) from the dam, while the closest mining from Block 18-20 would be more than 3000' (horizontal) away. Also, panel 7 was about 1664' stratigraphically lower than the dam, while panel block 18-20 is located more than 2200' lower than the dam. Also, panel 7 was mined using side-by-side panels, whereas panel block 18-20 will be mined as panel-barrier, further reducing the potential for seismicity.

728.320 Presence of acid-forming or toxic-forming materials

Acid-forming materials in western coal mines generally consist of sulfide minerals, namely pyrite and marcasite, which, when exposed to air and water, are oxidized causing the production of H⁺ ions (acid). Oxidation of pyrite will occur in the mine; however, acidic waters will not be observed in the mine. The acid is quickly consumed by dissolution of abundant, naturally occurring carbonate minerals. Iron is readily precipitated, as iron-hydroxide, and excess iron will be not observed in mine discharge water.

No other acid-forming materials or any toxic-forming materials have been identified or are suspected to exist in materials to be disturbed by mining.

728.331 Sediment yield from the disturbed area

Undisturbed drainage from C Canyon upstream from the mine yard facility area will, for the most part, be culverted underneath the mine site by means of a 4' diameter corrugated metal pipe in the right fork and a 3' diameter culvert in the left fork drainage. This culvert has been sized to meet or exceed the design storm for this drainage area. Runoff from the mine site disturbed area and whatever natural runoff which flows onto the disturbed area will be channeled to the mine site sediment pond. The drainage control system for the mine site is shown on Map 7-2.

The culvert and ditch system is designed to handle drainage from a 10 year, 24 hour event. Any storm event that exceeds this amount will flow through the mine yard drainage structures to the sediment pond. If a storm should exceed the design event and the magnitude of the runoff exceeds the pond capacity, the over flow will be channeled through the pond cells and out the emergency spillway to the natural drainage channel below the sediment pond. This overflow will have a lower suspended solid content than the inflow to the pond or any drainage which may be flowing down the natural drainage channel. The sediment pond will detain the inflowing water and allow suspended solids to settle out in the pond cells prior to discharge. Given the ephemeral nature of the drainages and the fact that the sediment pond is designed for the complete retention of the 10 year, 24 hour storm event, it is unlikely that discharge from the sediment pond will occur very often if ever. Since the sediment pond is designed to completely contain the 10 year, 24 hour event, only a limited amount of outflow, that in excess of the design event, would be discharged. Excess water contained in the sediment pond following runoff events would be allowed to settle and evaporate, or be decanted in a controlled manner through the primary discharge pipe to reduce the potential for erosion downstream.

Using the Universal Soil Loss Equation (USLE), an estimate of the annual sediment yield from the mine site disturbed area (in the pre-mining condition) is 0.3082 acrefeet per year. In the operational phase, this same area (the mine yard disturbed area) would then yield 0.3090 acre-feet per year. During the postmining phase, the

estimated annual sediment yield is projected to be 0.2679 acre-feet per year. Even though the sediment yield from this area will be greater during the operational phase, the sediment pond has been designed to handle the sediment yield from the disturbed area and retain it in the pond. This will effectively reduce the sediment yield from the disturbed area to an insignificant amount during the operational phase of the mine.

The sediment pond will be constructed as soon as practical at the mine site during construction. When reclamation of the mine yard is initiated following the operational phase, the sediment pond will be removed during removal of the bypass culvert and restoration of the natural channel through the site. Silt fences will be installed adjacent to the reclaimed channel to collect and contain sediment from the regraded site. The silt fences will be constructed approximately along contour with overlapping ends to prevent drainage from going around the ends. Refer to Map 5-9. Because the surface of the regraded area will be gouged with a backhoe bucket to create large depressions, the depressions of the regraded area will also act as a sediment trap. It is anticipated that sediment yield from the reclaimed area will be similar to other adjacent undisturbed areas.

During reclamation, if it is determined that topsoil resources are needed from the topsoil borrow site to achieve reclamation of the mine site, silt fencing would be placed around the outer limits of the borrow area to be disturbed. Topsoil would be stripped and stockpiled. The required amount of topsoil would then be removed from the borrow site. Care would be taken to contour the borrow pit such that runoff infiltration would be maximized to the fullest extent within the disturbed area. This would include gouging the regraded surface with pits approximately 24" wide, 36" long and 18" deep as well as sloping the regraded slopes inward to encourage precipitation infiltration on-site.

728.332 Impacts to important water quality parameters

WEST RIDGE Resources, Inc. anticipates that at some time it may be necessary to discharge water from its proposed mine into the C Canyon drainage. The distance from the proposed discharge point in the ephemeral C Canyon to the confluence with the first perennial stream, Grassy Trail Creek near Sunnyside Junction, is approximately 10 miles. Because of the general aridity of the region, and the permeable nature of the alluvial sediments over which the discharge water will flow, it is unlikely that the above-ground flow of discharge water will persist to the confluence with Grassy Trail Creek. When mine water is discharged into an ephemeral drainage from Andalex's Tower Mine (located in the Book Cliffs 15 miles north of West Ridge), water flows in the drainage for less than one mile before the flow is entirely lost to infiltration or evapotranspiration. Likewise, Icelander Creek, which flows over alluvial sediments at the base of the Book Cliffs Escarpment just south of East Carbon, flows for only about 4 miles before being totally lost to infiltration. Therefore, there will most likely be no impacts to important water quality parameters in Grassy Trail Creek from proposed mining operations because mine discharge water will likely not reach the

creek. However, if mine discharge water were to persist in the stream channel to the confluence with Grassy Trail Creek, the volume of discharge water entering the creek will be only a fraction of that which discharged from the mine.

Discharge water from the Sunnyside Mines located southeast of West Ridge had TDS concentrations of about 1,600 mg/l, with the dominant ions being sodium, sulfate, and bicarbonate (Sunnyside Coal Company, 1993). The chemical composition of this water is similar to that of waters that have been in contact with the Mancos Shale. The TDS concentration of discharge water from WEST RIDGE Resources, Inc.'s proposed new mine will likely be similar to discharge from the Sunnyside Mines.

The TDS concentration of water in Grassy Trail Creek at the mouth of Whitmore Canyon, (USGS station 0931430) near the upper contact with the Mancos Shale, averaged 988 mg/l between 1979 and 1984, with the dominant ions being sodium, sulfate, and bicarbonate (Waddell, 1981). The water quality of Grassy Trail Creek after flowing over 11 miles of Mancos Shale sediments to the confluence with the C Canyon drainage near Sunnyside Junction is significantly degraded.

Due to the low anticipated volume of mine discharge water which will flow into Grassy Trail Creek, and the similarity of the chemistry of the mine discharge water to the water in the creek, the water quality in Grassy Trail Creek will likely not be significantly impacted by mine discharge water.

Because of the poor quality of the water naturally flowing in Grassy Trail Creek near Sunnyside Junction and the relatively small quantities of mine discharge water (if any) which will flow into the creek, important water quality parameters in Grassy Trail Creek, such as sodium, sulfate, and bicarbonate will not be significantly increased.

Most of the water from any potential discharge from WEST RIDGE Resources, Inc.'s proposed new mine will infiltrate into the alluvial sediments in Clark Valley near the Book Cliffs escarpment. This will result in a rise in the local water table, or the creation of a perched water table above impermeable layers. Shale layers in the Mancos Shale will prohibit significant downward migration of these waters. The raising of the local water table may result in increased vegetation in the area. The increase in vegetation and the presence of surface water in the drainage would be a positive impact on wildlife and the local ecosystem. There are no known water rights or surface facilities adjacent to the stream drainage that could be impacted by the rising water table. Because the water quality of groundwaters in the Mancos Shale is naturally poor (with TDS significantly greater than 1,600 mg/l), the addition of mine discharge water to this system will not have any detrimental effects on water quality.

The Sunnyside mines discharged water from the mine workings for many years. This water was put to beneficial use for agricultural purposes such as growing alfalfa crops and also for irrigating the municipal golf course, from the time it was built in 1967 up to the closure of the mine in 1993. The city park also used the mine water for irrigation

since the mid-1940's. Sunnyside Coal Company had an approved UPDES permit with a TDS concentration limit of 1,650 mg/l for the mine water discharge. Excess water was discharged into Grassy Trail Creek where it was also utilized by cattle and wildlife.

The chemical quality of groundwater discharging from springs above the proposed coal mine will not be adversely affected by underground mining operations. The chemical quality of surface water flowing in upper Grassy Trail Creek will likewise not be adversely affected by underground mining operations. It has been demonstrated (Mayo and Associates, 1997; Appendix 7-1, 2001; Appendix 7-1A) that deep groundwaters adjacent to the coal seams throughout the Book Cliffs and Wasatch Plateau coal fields are hydraulically isolated from shallow overlying groundwater systems which support springs and provide baseflow to streams at the surface. There is no mechanism by which important water quality parameters in shallow groundwater systems above WEST RIDGE Resources, Inc.'s proposed coal mine may be adversely impacted by mining operations.

There are no known springs of significance in the lease and adjacent area which discharge from locations that are stratigraphically or topographically below the coal seam to be mined. The thick Mancos Shale will prevent the migration of any mine discharge water downward to formations underlying the Mancos Shale. No seeps or spring exist within or adjacent to the proposed topsoil borrow area to the west of C Canyon.

728.333 Flooding or streamflow alteration

WEST RIDGE Resources, Inc. anticipates that at some time it may be necessary to discharge water from its proposed mine into the C Canyon drainage. The discharge point will be about 1 mile above the confluence with B Canyon. Both C and B Canyons are ephemeral drainages that rarely have flow. The stream channel in this drainage is large enough to contain torrential thunderstorm events that commonly exceed several cfs in this region. The anticipated discharge rate from the mine is unknown at this time. However, historic discharges from nearby mines in the Book Cliffs coal field (Soldier Canyon and Sunnyside) average about 300 to 400 gpm. It is possible that over the life of the mine the discharge rate from WEST RIDGE Resources, Inc.'s proposed mine could be in this same range. However, it must be noted that as new mine workings are developed in "wet" areas, the discharge rate may temporarily exceed this amount. The discharge rates from these mines have been quite variable over time due to the nature of the groundwater systems encountered in the mines. Groundwater encountered in coal mines in the Book Cliffs and Wasatch Plateau coal fields is contained mostly in sandstone channels and in fractures and faults. It is not unusual for large portions of the mines to be mostly dry. For these reasons, the mine discharge rate is more a function of the amount of new mine area recently opened than the total size of the mine. At the Soldier Canyon Mine, mining proceeded for several years before any significant water sources were encountered and thus, no discharge occurred. Similar experiences are reported at Andalex's Tower Mine. Thus, although short-term increases in mine discharge rates will likely occur,

the long-term average will probably be in the range of 300 to 400 gpm if water is encountered.

A discharge of 300 to 400 gpm will not cause flooding or significant alteration of the streambed in the C Canyon drainage. The channel geometry in C Canyon is primarily the result of erosion which occurs during torrential thunderstorm events where the flow in the drainage is several times that anticipated from WEST RIDGE Resources, Inc.'s proposed mine. The mine discharge will easily be contained within the inner stream channel, which should be stable. Additionally, if a constant, relatively small discharge is achieved in C Canyon as a result of mine discharge, the net effect will be a positive one. Vegetation densities along the stream bank will increase causing increased bank stability and decreased erosion. Wildlife habitat will also be improved with the available water and the vegetation growing on the stream bank.

No streams exist in or adjacent to the proposed topsoil borrow area west of C Canyon in section 16, T. 14 S., R. 13 E.

728.334 Groundwater and surface water availability

Mining in the permit area will not significantly affect the availability of groundwater. Groundwaters in the Blackhawk Formation exist in highly compartmentalized partitions, both vertically and horizontally, and the formation does not act as a hydraulically continuous aquifer. Groundwater systems in the Blackhawk Formation are hydraulically isolated from overlying, modern groundwaters. The effects of locally dewatering the Blackhawk Formation adjacent to mine openings will not have any significant impact on groundwater availability in the region surrounding the mine.

There are no groundwater supply wells in the mine lease area or adjacent to it. The removal of water from horizons immediately above and below the mined horizon will not impact any water supplies. Rather, underground mining makes water available from the Blackhawk Formation that was previously inaccessible.

The hydrology and geology of the area around Grassy Trail reservoir is discussed in a seismic analysis report (see Appendix 5-11) and the Phase II dam safety report (see Appendix 512). These reports conclude that it is unlikely that mining induced seismicity or subsidence will impact the performance of the Grassy Trail Dam and Reservoir. Based on the conclusion of this study the BLM has approved the R2P2 to allow full extraction longwall mining of Panel #7. BLM also added a special stipulation #17 to the federal lease related specifically to the Grassy Trail Reservoir, stating, "The Lessee is and will remain liable for any and all damages or hazardous

conditions resulting from the mining operations under the lease."

Based on BLM's approval the company then successfully mined longwall panel 7 from December, 2005 through September, 2006. Soon thereafter, RB&G Engineering prepared a summary post-mining report on the mining related affects on the reservoir (see Appendix 5-16). Still later, in 2010, RB7G Engineering prepared an additional

update to the summary report (see e). Based on these reports, BLM has recently approved the R2P2 to allow additional longwall mining of panel block 18-20 on the east side of the mains in the vicinity of (i.e., west and north of) Grassy Trail reservoir (see Appendix 5-3C). This new approval contains the same reference to lease stipulation #17, as with the previous approval of panel 7.

R645-301-729 CUMULATIVE HYDROLOGIC IMPACT ASSESSMENT (CHIA)

The Division will provide an assessment of the probable cumulative hydrologic impacts of the proposed coal mining and reclamation operation and all anticipated coal mining and reclamation operations upon surface and groundwater systems in the cumulative impact area.

R645-301-730 OPERATION PLAN

R645-301-731 GENERAL REQUIREMENTS

A plan has been included to minimize disturbance to the hydrologic balance, to prevent material damage, and to support postmining land use.

731.100 Hydrologic Balance Protection

Groundwater Protection

Although testing has shown that no significant impacts from acid or toxic producing materials should occur, groundwater quality will be protected by handling runoff in a manner which minimizes the infiltration into the groundwater system. Examples of techniques that may be utilized to accomplish this would include routing disturbed area drainage to the sediment pond through properly sized ditches and culverts and diverting undisturbed drainage through a bypass pipe past the disturbed area.

Within the disturbed area, drainage will be directed to ditches by sloping the yard areas. The ditches will be appropriately sized to handle flow from the 10 year/24 hour event. Culverts within the drainage system have also been sized to meet or exceed the 10 year, 24 hour design criteria.

Surface Water Protection

Coal mining and reclamation activities will be conducted according to the following plan.

The sediment pond will be installed as soon as possible during construction of the surface facility area. The pond will be appropriately sized to handle the design storm event (10 year, 24 hour) for the mine site.

Protection of surface water will incorporate measures cited under Groundwater Protection. All surface runoff from the mine site disturbed area will be diverted to the sediment pond for treatment. The sediment pond has been designed to provide total containment for the 10 year/24 hour storm plus three years of sediment accumulation. Based on sampling of the soils in the area and the fact that waste rock material will

not be stored on the surface, it is unlikely that the sediment pond will impound acidor toxic-drainage.

It is anticipated, based on the climate of the area, that the sediment pond will remain dry most of the time. (This has been demonstrated to be true for existing coal mining operations in central Utah.) Water in the pond should evaporate rapidly following precipitation events. Infiltration into ground water zones is not expected because of the interbedded nature of the strata below the pond. Thick sequences of shale in the bedrock below the pond will greatly limit the vertical movement of water. Also, the alkaline nature of other sediment flowing to the sediment pond would serve to neutralize any low pH materials when mingled together.

To minimize disturbance to the undisturbed drainage, large diameter bypass culverts will be installed beneath the mine yard facility to allow runoff upstream above the mine site to continue downstream without coming in contact with and becoming contaminated by the mine yard area.

The bypass culvert system will be the first structure to be installed during construction of the mine site facility. Undisturbed area drainage will be bypassed under the disturbed area to minimize the amount of drainage that must be treated by the sediment pond. The bypass culverts will allow natural drainage to continue down the drainage course unaffected by the mining operation. A 36" diameter culvert will be installed in the left fork and a 48" diameter culvert will be installed in the right fork. A 48" culvert will be installed in the main canyon below the confluence of the forks. The size of the culverts will adequately pass the 100 year, 6 hour flow event even though a smaller culvert would meet the requirements of the regulations.

At the topsoil pile locations, undisturbed drainage will be diverted around the stockpiles with ditches at the edge of the pile toward the undisturbed drainage channel. The ditches will divert water away from the stockpile to minimize erosion. The ditches have been sized to convey flow from the 10 year, 24 hour event. The ditches will slope 1% toward the natural drainage. A typical ditch design is presented in Appendix 7-4 "West Ridge Mine Sedimentation and Drainage Control Plan". The stockpiled topsoil material will be loosely piled and have an irregular, pitted surface or contour furrows to help retain runoff from precipitation events and to reduce erosion until vegetation becomes reestablished. A diversion ditch will be constructed at the edge of the stockpile to divert undisturbed drainage away from the stockpile. Silt fencing will be placed around the perimeter of the stockpile to treat any runoff from the pile.

The topsoil stockpile and test plots will be designated as Alternate Sediment Control Areas (ASCAs).

Refer to Appendix 5-5 for a complete discussion on the construction of the topsoil stockpiles. Refer to Appendix 7-4 for details of the drainage control designs. Map 2-4 depicts the drainage controls of the topsoil stockpile areas.

731.200 Water Monitoring

This section describes the hydrologic monitoring plan. Locations of operational surface-water and groundwater monitoring sites are indicated on Map 7-7. Hydrologic monitoring protocols, sampling frequencies, and sampling sites are described in Tables 7-1 through 7-4. Operational field and laboratory hydrologic monitoring parameters for surface water are listed in Table 7-2, and for groundwater in Table 7-3. The hydrologic monitoring parameters have been selected in consultation with the DOGM's directive Tech-004, *Water Monitoring Programs for Coal Mines*.

Water monitoring reports will be submitted on a quarterly basis to UDOGM. Should any ground water or surface water samples indicate noncompliance with the permit conditions, the operator will promptly notify the Division and immediately provide for any accelerated or additional monitoring necessary to determine the nature and extent of noncompliance and will provide the results of the sampling to the Division.

Operational field and laboratory parameters were measured quarterly for the first ten years of mine operation, rather than for only the first two years as originally proposed in the MRP. The original MRP stated that after a two-year period of quarterly monitoring, if sampling has adequately characterized the hydrology in the area, a request would be made to reduce monitoring to field parameters and one operational analytical sample collected during low flow (August or September). It also stated, the physical parameters and chemical composition of springs and streams in and around the permit area should be adequately characterized following the collection of three years of baseline laboratory data and two years of operational laboratory data. (The first year of field data was collected in 1985-1986. The original MRP further stated that, thereafter, continued quarterly monitoring for laboratory parameters would probably not enhance the scientific understanding of hydrologic systems in the mine permit area. Beginning in 2nd Quarter of 2011, WEST RIDGE Resources, Inc. will implement this reduced schedule for ST-10 and will officially drop stream sites ST-5, ST-6A, ST-7, ST-11, ST-12 and ST-13 and spring sites SP-15, SP-16, WR-1 and WR-2.

Each of the sampling locations and their hydrologic significance are described below. However, in order to comply with UDOGM directive Tech-004, baseline samples will be collected from each spring in the monitoring program during the low flow (fall) sampling and from each stream monitoring site during low flow every five years beginning with the first mid-term review. The five year baseline samples will be repeated every five years until reclamation is complete.

Two years of baseline monitoring has been performed at all monitoring sites; subsequently, the quarterly operational monitoring schedule was utilized through 2010. Monitoring as specified herein will continue through reclamation until bond release unless otherwise modified.

Streams

Grassy Trail Creek is the only perennial stream in the permit and adjacent areas. Four sites on Grassy Trail Creek have been monitored.

Stream site ST-10 is located on the north end of our mining panels, a reduction in laboratory analyses from quarterly to annually will be implemented beginning 2nd Quarter of 2011. Stream site ST-3 is located below the confluence with Hanging Rock Canyon. Stream site ST-8 is located just above the confluence with Water Canyon, downstream of the permit area and ST-9 is located on upper Grassy Trail Creek at the inlet to Grassy Trail Reservoir. These monitoring sites on Grassy Trail Creek will be used to document any potential changes in stream flow or water quality that may be attributable to mining at WEST RIDGE, so data collection efforts at these sites will continue, while ST-10 will be on the reduced monitoring schedule. A description of Upper Grassy Trail water quality included above, which was included in the original verison of the MRP based upon two years of data, indicates that magnesium, calcium, and bicarbonate are the major ionic components, and that TDS at ST-3 is 350 mg/L. After 10 more years of data collected, analysis indicates that the assessment is still correct: those three ions still represent the majority of the dissolved solids in Upper Grassy Trail Creek, and calculated average TDS at ST-3 is 358 mg/L. Further, quarterly water quality monitoring shows that there is relatively minor temporal variation in water quality at these sites, based upon an assessment of their major ions as represented by Stiff, Piper, and Schoeller Diagrams (see Appendix 7-11). Therefore, reduction in collecting analytical samples from quarterly to annually at ST-10 is supported by the record.

One tributary to Grassy Trail Creek within Whitmore Canyon is also monitored. ST-15 is located in at the mouth of Spring Canyon, and has been monitored since 2003. No flows have been reported since that time. It will continue to be monitored quarterly, and operational samples will be collected if flow is occurring during quarterly visits.

The sample point RST-1 was added 3rd Quarter of 2010. This site is located on the right fork of Whitmore Canyon above Grassy Trail Reservoir. This site will continue to be monitored quarterly and analyzed for operational field and laboratory parameters.

On the west side of West Ridge, five stations have been monitored for many years on ephemeral drainages contributing to lower Grassy Trail Creek. They are ST-4 (lower Bear Creek), ST-5 (below confluence of B and C Canyons), ST-6A and ST-6 (above and below the mine site, respectively, in C Canyon) and ST-7 (below A Canyon). ST-4 was monitored by visual observation of the channel for flowing water. ST-5 had a crest gauge and automatic sampler while ST-6A, ST-6 and ST-7 each had a crest gauge and bottle samplers. The west side of West Ridge stream monitoring stations, are described as follows:

- ST-4 No monitoring equipment was ever located at this site. The purpose of this station was to conduct baseline observations for two years to determine whether this portion of Bear Creek acted as an ephemeral or intermittent stream channel. Based on monthly monitoring during 1997 and 1998, it has been determined that intermittent flow does not occur in the lower section of Bear Creek and the channel responds only as an ephemeral drainage following substantial rainfall events. This continued to be documented at this site until 2005, when it was officially dropped from the monitoring plan in July 2005.
- ST-5 From 1997 through 2008, this location contained the ISCO automatic sampler and a crest gage. This station monitored drainage from both the B and C Canyon drainages. However, based on field observations, virtually all of the flow comes from the B Canyon drainage, primarily the lower side drainages and adjacent Mancos slopes. Both the B and C Canyon drainages respond as ephemeral drainages. In recent years, this site typically continued flows that were 100 percent comprised of mine discharge. While originally intended to cover both B and C Canyon drainages because surface facilities were contemplated in both of these canyons, its locations below the confluence is no longer important since surface facilities are contained within C Canyon, and not in B Canyon. Because the site has served its primarily purpose (to document the ephemeral nature of flows) and because it represents essentially the same data as is also collected upstream at ST-6, this site will be dropped from the monitoring plan beginning 2nd quarter of 2011.

ST-6 and ST-6A

These two stations are located below and above the proposed mine site in C Canyon, respectively. A crest gage (as described above) and bottle samplers were installed at these sites in 1997, with only partial success at registering flows or collecting samples. Once operations began at the mine, improving access and communications, these structures were less important. The long record of data at ST-6A indicated very little, if any, flow at this site even during severe precipitation events; snow melt runoff often appears to consist of underflow through the heavy organic matter in the cannel bottom. Further, once mine discharge began, ST-6 generally receives continuous flow comprised of 100 percent mine discharge. Therefore, there is no correlation between flows at ST-6A and ST-6. The area below ST-6A was last mined in February 2007. Beginning 2nd quarter of 2011 ST-6A will be dropped while ST-6 will continue to be monitored. Although there have been some changes in ionic strength of this water over the years, as shown by Stiff, Piper, and Schoeller Diagrams (see Appendix 7-11), the basic ionic makeup of the water remains fairly constant. This water is also sampled for UPDES samples just a short distance upstream from ST-6 on a monthly basis, which provides analytical data for compliance purposes.

- ST-7 A crest gage and sampler bottles have been located in the A Canyon drainage since 1997, however equipment functionality in this very flashy and sediment-laden stream has been minimal. Originally established to document drainage, it has not served any purpose in the monitoring plan for many years, since the haul road was constructed elsewhere. Further, there are no surface facilities planned for this drainage and underground mining has been progressing in the opposite direction. This site will no longer be monitored after 2nd quarter of 2011.
- ST-11 This site, located in Bear Canyon, was added to the monitoring plan in 2005, for reasons described above in Section 728. It has been monitored since that time, but no flows have ever been reported. The area below ST-11 was mined out in November, 2006. This site will be dropped beginning 2nd quarter of 2011.
- ST-12 This site, also located in Bear Canyon and described above in Section 728, has similarly been monitored since 2005. The area below ST-12 was mined out in October 2007. No flows have been reported since that time. It will be dropped from the monitoring plan beginning in 2nd quarter 2011 as there is no longer any reason to document flow regime in this reach of Bear Canyon.
- ST-13 Similarly, this site is located in Bear Canyon, and was added to the monitoring plan in 2005, for reasons described above in Section 728. It has been monitored since that time, but no flows have been reported. This site will be dropped from the monitoring plan beginning in 2nd quarter 2011.

Springs

Eight springs in the permit and adjacent areas have been monitored since at least 1999; some of these have been monitored by WEST RIDGE since 1997, and some even earlier by other entities. Two other springs, SP-101 and SP-102 have been monitored since 2003. Four of these springs (SP-12, SP-13, SP-15, and SP-16) discharge from the lower slopes of West Ridge in Whitmore Canyon. Two springs, WR-1 and WR-2, discharge from the upper slope of West Ridge in Whitmore Canyon. Refer to Map 7-7. One spring (SP-8) discharges in the upper drainage of C Canyon. Hanging Rock Spring (S-80), SP-101 and SP-102 are located near the northeast corner of the permit area and discharges from the east slopes of Whitmore Canyon.

Most of the monitoring stations in this monitoring program are located on the east slope of West Ridge. This is because, with the exception of SP-8, there are no springs that are suitable for monitoring on the west side of West Ridge.

Beginning in 2nd Quarter of 2011, monitoring at SP-15, SP-16, WR-1 and WR-2 will be discontinued. These sites are away from the direction that mining is occurring or will occur in the future, a long record is in place to document that no impacts have occurred, and any past subsidence activities have long ceased. WR-1 is located outside the West Ridge Mine permit area. It was undermined by the adjacent Sunnyside Mine workings at a depth of more than 2000' below the surface as shown on Plate 7-7. This area was undermined at least fifteen years ago. WR-2 is located 2400' above the underlying coal seam and was undermined in June, 2004 as part of the West Ridge mining operation. Subsidence monitoring has been conducted by Ware Surveying as a part of the continuing monitoring program for the Grassy Trail Reservoir located not far away. Several of the subsidence points were located above longwall panel 7 and are less than 1700' feet from WR-2. These points were undermined in March, 2006. This survey shows that mining-induced subsidence in these areas has been completely stabilized for the past three years (see Appendix 7-13). Since WR-2 was undermined by longwall panel 5 nearly two years prior to the Grassy Trails subsidence points, this provides strong assurance that the area around WR-2 has now been similarly stabilized for an even longer time period.

At sites SP-12, SP-13, SP-101, SP-102, S-80 and SP-8, quarterly monitoring will continue.

Wells

Only one groundwater monitoring well (DH86-2) exists in the permit area. This well monitors the Sunnyside Sandstone Member of the Blackhawk Formation, which is below the coal seam that will be mined. In addition to field parameters and operational water quality parameters, water level will be measured in this well. Because data collected at this site since 1997 exhibits more variability than at the other monitoring sites, quarterly analytical sampling will continue.

Underground Sampling

UG-1 Staring in the fall of 2010, West Ridge Resources will begin an underground monitoring program on the pre-treatment mine-water. A monthly sample of the in-mine water will be collected prior to treatment and analyzed for operational field and laboratory parameters. Parameters will include total and dissolved iron, sulfate, alkalinity, total and dissolved solids, field conductivity, field temperature, field dissolved oxygen and field pH. The sample will be collected in 9th right between the seal and treatment area. This sample point will be called UG-1. Please refer to Appendix 5-15, Attachment 10 for a description and location of UG-1.

Grassy Trial Flumes

LF-1 & RF-1 In response to an agreement between the company and the owners of the Grassy Trail Dam/Reservoir (East Carbon City, Sunnyside City and Sunnyside Cogen Power Plant) flow measurements of the right and left forks of Whitmore Canyon immediately above the reservoir will be taken. A 3' Parshall Flume or a comparable flume will be reconstructed in the right and left forks above Grassy Trail Reservoir in the Spring/Summer of 2011. Flumes will be equipped with a continuous flow monitor and will be downloaded and reported quarterly. See Appendix 7-14 for Grassy Trail Reservoir - Right Fork Historical Flow Data.

Table 7-1 HYDROLOGIC MONITORING PROTOCOLS AND LOCATIONS

Reme	Sample Parameters	Sampled requency	Location Description	
Streams				
RST-1	Flow, Field, Lab Analysis	Quarterly	Right Fork - Grassy Trail	
ST-3	Flow, Field, Lab Analysis	Quarterly	Grassy Trail Creek	
ST-6	Flow, Field, Lab Analysis	Quarterly	C Canyon	
ST-8	Flow, Field, Lab Analysis	Quarterly	Grassy Trail Creek	
ST-9	Flow, Field, Lab Analysis	Quarterly	Grassy Trail Creek	
ST-10	Flow, Field, Lab Analysis	Annually	Grassy Trail Creek	
ST-15	Flow, Field, Lab Analysis	Quarterly	Spring Canyon Stream	
Springs				
SP-8	Flow, Field, Lab Analysis	Quarterly	North Horn Fm. In C Canyon	
SP-12	Flow, Field, Lab Analysis	Quarterly	Colton Fm. Upper Whitmore Canyon	
SP-13	Flow, Field, Lab Analysis	Quarterly	Colton Fm. Upper Whitmore Canyon	
SP-101	Flow, Field, Lab Analysis	Quarterly	Little Spring Bottom	
SP-102	Flow, Field, Lab Analysis	Quarterly	Spring Canyon Hillside	
S-80	Flow, Field, Lab Analysis	Quarterly	Hanging Rock Spring	
Wells				
DH86-2	Water Level, Field, Lab	Quarterly	Sunnyside Sandstone in C Canyon	
Underground				
UG-1	Field, Lab Analysis	Monthly	West Ridge Mine	
Flumes				
LF-1	Flow only	*Quarterly	Left Fork of Grassy Trail Reservoir	
RF-1	Flow only	*Quarterly	Right Fork of Grassy Trail Reservoir	

^{*} Flows are continually monitored and will be downloaded quarterly.

Note:

ST-5, ST-6A, ST-7, ST-11, ST-12, ST-13, SP-15, SP-16, WR-1 and WR-2 were dropped in 2011.

Table 7-2 SURFACE WATER OPERATIONAL WATER QUALITY MONITORING

Field Measurements	Reported As	
Flow	gpm	
рН	pH units	
Specific Conductivity	μs/cm @ 25°C	
Dissolved Oxygen	mg/l	
Temperature	°C	
Laboratory Measurements	Reported As	
Total Dissolved Solids	mg/l	
Total Suspended Solids	mg/l	
Carbonate	mg/l	
Bicarbonate	mg/l	
Alkalinity, Total	mg/l	
Hardness	mg/l	
Calcium (Dissolved)	mg/l	
Chloride	mg/l	
Iron (Total)	mg/l	
Iron (Dissolved)	mg/l	
Magnesium (Dissolved)	mg/l	
Manganese (Total)	mg/l	
Manganese (Dissolved)	mg/l	
Potassium (Dissolved)	mg/l	
Sodium (Dissolved)	mg/l	
Sulfate	mg/l	
Oil and Grease	mg/l	
Cations	meq/l	
Anions	meq/l	
Cation/Anion Balance	%	

Table 7-3 GROUNDWATER OPERATIONAL WATER QUALITY MONITORING

Field Measurements	Reported As	
рН	pH units	
Specific Conductivity	µs/cm @ 25°C	
Temperature	°C	
Laboratory Measurements	Reported As	
Total Dissolved Solids	mg/l	
Carbonate	mg/l	
Bicarbonate	mg/l	
Alkalinity, Total	mg/l	
Hardness	mg/l	
Calcium (Dissolved)	mg/l	
Chloride	mg/l	
Iron (Total)	mg/l	
Iron (Dissolved)	mg/l	
Magnesium (Dissolved)	mg/l	
Manganese (Total)	mg/l	
Manganese (Dissolved)	mg/l	
Potassium (Dissolved)	mg/l	
Sodium (Dissolved)	mg/l	
Sulfate	mg/l	
Cations	meq/l	
Anions	meq/I	
Cation/Anion Balance	%	

Table 7-4 UPDES DISCHARGE POINT MONITORING

MONITORING POINTS	FREQUENCY
001 002	Monthly Monthly
FIELD MEASUREMENTS	REPORTED AS
Flow pH Specific Conductivity Temperature	gpd pH units µs/cm @ 25°C °C
LABORATORY MEASUREMENTS	<u>MAXIMUM</u>
Oil and Grease (if sheen is visible) Total Suspended Solids Total Iron Total Dissolved Solids	10 mg/l 70 mg/l 1.0 mg/l One ton/day

Table 7-5 UG-1 UNDERGROUND MONITORING POINT

MONITORING POINT	FREQUENCY
UG-1	Monthly
FIELD MEASUREMENTS	REPORTED AS
pH Specific Conductivity Dissolved Oxygen Temperature	pH units µs/cm @ 25°C mg/l °C
LABORATORY MEASUREMENTS	REPORTED AS
Total Dissolved Solids Total Suspended Solids Iron (Total) Iron (Dissolved) Sulfate Alkalinity	mg/l mg/l mg/l mg/l mg/l
Λικαιι ιιιγ	mg/l

^{*}Please refer to Appendix 5-15, Attachment 10 for a description and location of UG-1.

Based on testing of roof and floor materials, formation of acid- or toxic-materials does not appear to be a concern. Roof and floor materials will be permanently stored underground and will not brought to the surface for disposal.

Samples of the roof, floor and coal from an outcrop of the Lower Sunnyside coal seam in the left fork of C Canyon were collected for analyses. The samples were sent to Inter-Mountain Laboratories, Inc. in Sheridan, Wyoming and analyzed according to Table 6 in DOGM's "Guidelines for Management of Topsoil and Overburden For Underground and Surface Coal Mining". The Table 6 parameters were run on the samples to look for toxic or acid-forming materials. Refer to Appendix 6-1 for the laboratory analyses. The Table 6 sampling regime was intended for soil materials which are going to be used a plant growth medium during final reclamation. It is not likely that any significant amount of the roof, floor or coal material would be incorporated in the regraded fill material at the time of final reclamation because there will not be any coal processing or coal preparation at the minesite. Also, prior to reclamation of the minesite, all coal will be removed from the minesite and sold.

Chemicals and petroleum products to be used at the mine will be stored in a controlled manner. The following products may be used by mining operations: diesel fuel, gasoline, grease, motor oil, water based hydraulic fluid, antifreeze, brake fluid, gear lubricating oil, rock dust, magnesium chloride, spray paint and stopping sealant. Chemicals and petroleum products to be used at the mine will be stored in a controlled manner. Petroleum products such as diesel fuel, transmission oil and grease will be stored in the mine yard in a contained, concrete structure. Other miscellaneous products would be stored in the mine warehouse.

Emulsion fluid spills will be minimized through the following:

-Emulsion fluid will not be mixed on the surface. The emulsion concentrate is delivered to the minesite in factory sealed 500 gallon containers. These containers area specifically designed to be easily handled by standard equipment at the mine site and transferred to mobile equipment for transport underground near the longwall equipment.

-Most longwall installations now utilize a bio-degrade able emulsion fluid in accordance with the manufacturer's recommendations. The emulsion mixture is very dilute, typically 2 parts emulsion fluid to 98 parts water.

-Any accidental longwall fluid spills on the surface would be cleaned up like any other spill in accordance with the site specific Spill Prevention Control and Countermeasure Plan. The sediment pond cells would provide an effective line of defense against any offsite contamination. -Any emulsion fluid spill underground would go to an underground sump where water is typically stored and reused underground. Any water discharged from the mine would be tested and analyzed in accordance with the approve UPDES permit.

-The C Canyon drainage is ephemeral and supports no aquatic life. The closest flowing stream is Grassy Trail Creek which is over 11 miles to the southwest.

731.400

All water wells utilized during the operating phase will be abandoned in accordance with the rules outlined in "Administrative Rules For Water Well Drillers, State of Utah, Division of Water Rights, 1987". Closure of the wells will be conducted by a licensed well driller.

Final abandonment of the proposed water monitoring well DH 86-2 (at the mine site) will be conducted prior to completion of final reclamation. The abandoned well will be filled to within two feet of the surface with Neat Cement conforming to ASTM standard C150, a cement grout consisting of equal parts of cement conforming to ASTM standard C150 and sand/aggregate with no more than 6 gallons of water per sack of cement or bentonite-based products specifically designed for permanent well abandonment.

The cement will be introduced at the bottom of the well and placed progressively upward to within two feet of the surface. The casing will be severed a minimum of two feet below the ground surface. A minimum of two feet of compacted native material will be placed above the abandoned well upon completion.

Within 30 days of the completion of well abandonment procedures, a report will be submitted to the state engineer by the responsible licensed driller giving data related to the abandonment of the well. The report shall be made on forms furnished by the state engineer and shall contain the information required, including but not limited to:

- 1) Name of licensed driller or other person(s) performing abandonment procedures,
- 2) Name of well owner at time of abandonment,
- 3) Address or location of well by section, township and range,
- 4) Abandonment materials, equipment and procedures used,
- 5) Water right or file number covering the well,

- 6) Final disposition of the well,
- 7) Date of completion.

731.500

Discharges

731.510

The West Ridge Mine will be operating in the Lower Sunnyside seam which is the same seam mined by Kaiser Sunnyside mine immediately to the southeast of the West Ridge reserves. WEST RIDGE intends to mine around old Sunnyside mine workings. There is a possibility that the old Sunnyside works may contain water, especially in the northeasterly areas which are the furthest down dip. WEST RIDGE Resources has acquired all of the most current certified mine maps of the Sunnyside old works. The Kaiser mining operation was a large operation with a sophisticated engineering, surveying and drafting department. WEST RIDGE Resources is confident that these maps were accurately surveyed and updated and accurately portray the extent of the old works. Nonetheless, extreme caution will be exercised as mine development is being driven out toward the old works. WEST RIDGE Resources will employ professional licensed, certified land surveyors to monitor the progress of the underground mine development. All surveying in the West Ridge mine will be tied to the same surveying coordinates and control as was used for the Sunnyside mine. When the West Ridge works are within 500 feet of the projected Sunnyside works exploratory drilling will begin ahead of the development. Face drills will be used to drill at least 100 feet out in advance of the actual mine face development. The exploratory face drill will be a small diameter and if water is encountered from the old works the drill hole can easily be plugged and sealed. The West Ridge mine plan assumes that development will proceed to within 300 feet of the old works. West Ridge mine intends to stay away from the old works but will drill ahead as a precautionary measure in the event that the mine maps or surveying has a margin of error.

731.520

Gravity Discharges From Underground Mining Activities

Surface entries and accesses to underground workings will be located and managed to prevent or control gravity discharge from the mine. All workings will dip away (downdip) from the portals. It is anticipated that the mine will be relatively dry but in the event that discharge becomes necessary, the discharge will comply with the performance standards of the regulations and requirements of the UPDES permit before being discharged off the permit area.

Refer to Map 6-2, Coal Seam Structure Map for the Lower Sunnyside seam structure contours.

731.520

Gravity Discharges From Underground Mining Activities

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Refer to Map 6-2, Coal Seam Structure Map for the Lower Sunnyside seam structure contours.

731.600

Stream Buffer Zones

The natural drainage channels in the main C Canyon and right fork of C Canyon drainage are classified as intermittent by the regulatory definition. (The watershed area is greater than one square mile). The channel operates like a ephemeral drainage channel although no drainage flow in the channel has been recorded during the last two years of monitoring.

A buried culvert will be placed through the proposed disturbed area to convey drainage from precipitation events past the mine site. The undisturbed bypass culvert system will be sized to handle runoff from the 100 year, 6 hour precipitation event. This is well in excess of the 10 year, 6 hour design event required by the regulations for a temporary diversion. The larger culvert is being proposed as an extra measure of safety and protection for the mineyard. Stream buffer zone markers will be placed at the north and south ends of the mine site facility area above the drainage channel to prevent channel disturbance by surface operations.

Mining activities will minimize impact to the undisturbed area by use of diversion ditches and the sediment pond to control and contain sediment and disturbed area runoff within the mineyard facility area.

It was determined by the Division of Water Rights that no stream alteration permit would be required for culverting of the C Canyon drainage. Refer to the August 19, 1998 letter included in Appendix 7-9.

The proposed undisturbed drainage channel diversion is discussed in greater detail under R645-301-742.300 and in Appendix 7-4.

Grassy Trail Creek is an intermittent stream located in the permit area in Whitmore Canyon located northeast of West Ridge. In this area the coal seam to be mined is 2000' below the streambed. Technically speaking, mining will be conducted within the 100' stream buffer zone, but only as measured horizontally. Therefore, no stream buffer zone protection measures on the surface are anticipated. In the "Investigation of Surface Water and Ground Water Systems in the Whitmore LBA Area, Carbon County, Utah" (Appendix 7-1A), Mayo and Associates concludes that "the stream channel in this area is underlain by approximately 2,000 feet of cover, which includes the entire thickness of relatively unfaulted and unfractured North Horn Formation, which is known to form an effective barrier to vertical groundwater migration (Mayo and Associates, 1998) and is known to contain hydrophyllic clays that swell when wetted to seal any fractures that may form. Therefore, the potential for the interception and diminution of surface water flows in Grassy Trail Creek as a result of mining induced subsidence is minimal." Mining related impacts to fish, wildlife and other hydrologic resources is expected to be correspondingly minimal.

731.700

Cross Sections and Maps

There is no flowing surface water within the permit area and no water supply intakes. Surface receiving waters are at least ten miles to the southwest where the ephemeral drainage system reaches Grassy Trail Creek near the Sunnyside Junction (junction of Highway 123 and State Road 6). Refer to Map 1-1 for the location of Grassy Trail Creek. All disturbed area runoff will flow into the sediment pond where it will be contained.

The location of the water monitoring well, the water supply pipeline from East Carbon and the water storage tanks to be used are shown on Map 5-5.

Water monitoring stations and water monitoring well DH 86-2 are shown on Map 7-6. Operational monitoring stations are depicted on Map 7-7 "Operational Monitoring Map". Refer to Table 7-1 for a listing of the operational monitoring locations.

Map 5-5 shows the location of the proposed sediment pond.

Cross sections for the proposed sedimentation pond are presented on Map 7-4A "Sediment Pond Cross-Sections".

731.800

Water Rights and Replacement

No surface coal mining and reclamation activities (strip mining) will occur in the affected permit area.

Mining should not have any impact on the existing water rights in and around the proposed mining area.

R645-301-732

SEDIMENT CONTROL MEASURES

732.100

Siltation structures will be constructed and maintained in accordance with the applicable regulations. Siltation structures will not be removed until authorized by the Division of Oil, Gas and Mining.

Alternative sediment control measures will be used in areas where the surface disturbance is minor and sediment control is expected to be restored fairly rapidly with revegetation. Alternate sediment controls will be used on the topsoil stockpile and test plot areas. At these locations diversion ditches will divert undisturbed area runoff away from the site. Silt fencing will be utilized to minimize siltation from the sites. The surface of the stockpile will be pocked and roughened to retain moisture and minimize runoff from the disturbed surface. The surface area will be revegetated to minimize surface erosion. The alternate sediment control area located in the right fork is 0.46 acres while the stockpile area for the left fork is 1.13 acres.

The other ASCA (alternate sediment control area) will be at the office and parking lot area below the mine yard facility area. This 1.37 acre area will be sloped to one end of the pad area where a sediment retention basin will be used for sediment control. In addition, the slopes and embankment of the office pad will be revegetated to control sedimentation and erosion.

732.200

The sedimentation pond has been designed in compliance with the appropriate regulations. Refer to Maps 7-4 and 7-4A for the sediment pond plan and cross-section details. The sediment pond will be reclaimed during reclamation of the mineyard facilities. Refer to Appendix 5-5 for the complete details of the reclamation plan.

732.300

Diversions will be constructed and maintained with respect to R645-301-742.100 and 742.300.

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Road Drainage

Roads within the disturbed area will be designed and constructed to utilize standard designs for surface drainage control, culvert size and spacing and grade. Refer to Map 5-5, Surface Facility Map.

Drainage ditches and culverts have been designed to handle a 10 year, 24 hour storm event. The larger design capacity will also provide additional capacity above what is required by the regulations, for a greater margin of safety in the mineyard during operations.

Riprap will be placed around the inlet end of the culverts to a height of at least 6" above the required headwall for each culvert. The outlet of the main canyon bypass culvert will be equipped with adequately sized riprap to slow

the outlet velocity and prevent erosion to the natural downstream channel.

Trash racks will be placed on all undisturbed bypass culvert inlets to prevent floating debris and rocks from plugging the culvert. The trash racks will be slanted 3/4 inch steel bars welded on six inch centers across the flared inlet structures of each culvert. The bars will be sloped from the front of the inlet up to the top of the culvert. Use of trash racks on the smaller culverts within the mine yard drainage system will be at the discretion of the operator and based on site specific conditions.

R645-301-733

IMPOUNDMENTS

733.100

General Plans

A sediment impoundment structure (sediment pond) is proposed for treatment of disturbed area runoff from the mineyard facility area. The pond will be located near the southern end of the mine yard (refer to Map 5-5) and has been designed to contain and treat drainage from the 10 year, 24 hour event. The associated conveyance structures, such as culverts and ditches, have been sized to convey drainage from the 10 year, 24 hour event into the sediment pond. Appendix 7-4 provides the detailed designs and calculations used to derive the pond capacity, ditch and culvert sizes.

733.110

The designs and calculations have been certified by a registered, professional engineer experience in the design and construction of sediment ponds.

733.120

Maps 7-4 and 7-4A depict the pond design in plan view and in cross-section. Calculations made in Appendix 7-4 are based on the design dimensions presented in the above-mention maps.

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The sediment pond has been designed to contain runoff from the mineyard disturbed area as well as several contributing undisturbed drainage areas. The runoff and sediment yield have been calculated using a 10 year, 24 hour precipitation event. Because of the narrowness and steep gradient of the canyon at the downstream end of the mine yard facility area, the sediment pond has been designed to have two cells that will contain the total volume of the 10 year, 24 hour design event plus three years of sediment storage (using 0.1 acre-feet of sediment per disturbed acre). Sediment will be captured by both cells (A and B). The total sediment storage capacity of the sediment pond for a three year interval is 1.845 acre feet, however, the sediment will be cleaned out when the storage capacity reaches 60%. Sediment indicator stakes will be placed at various locations in both the upper and lower cells (A and B) so that a visual determination of the 60% level can be made.

The required volume for the sediment pond is calculated at 7.052 acre feet,

including 3 years of sediment storage. The actual pond volume at the principal spillway is 7.669 acre-feet. Refer to Appendix 7-4 for the pond design calculations. Refer to Map 7-4 for the individual cell dimensions and features. The upper cell will be approximately 18.5' feet deep from the cell bottom to the crest of the embankment while cell B will be approximately 14' feet deep. Neither of the cells meet the size specifications that require them to be regulated by MSHA under 30 CFR 77.216(a).

The pond will provide a theoretical detention time of 24 hours. The upper cell (cell A) of the sediment pond will be constructed with an open channel spillway at a minimum depth of 1.5' below the top of the dam. The open-channel spillway will be constructed of grouted rip-rap or concrete, and will have a minimum 5' bottom width with 2h:1v side slopes. The lower cell (cell B) will be constructed with a combination of 2 spillways. The principal spillway will be a 36" C.M.P. culvert riser and oil skimmer. This spillway will overflow at an elevation at least 3' below the top of the dam. This spillway will discharge directly into the bypass culvert (UC-OO) which is located beneath the pond. In the unlikely event of failure of the principal spillway, the lower pond cell will also be equipped with a second (emergency) culvert spillway, consisting of a 36" C.M.P. culvert riser and oil skimmer, with a minimum depth of 2.0' below the top of the dam. This spillway will also flow directly into the undisturbed bypass culvert (UC-OO).

Discharge from the pond will be in accordance with the UPDES permit issued for the facility. Decanting the pond will be accomplished by using a portable submersible pump with an inverted inlet to decant the pond if necessary. A sample will be collected prior to decanting to determine if the water quality will meet the requirements of the UPDES permit.

UPDES sample point # 1 is located at the principal spillway of the sediment pond. (see Map 7-4). This sample point will be used if and when the pond fills to capacity and must be decanted. Access to this sampling point will be provided by a walkway which will be constructed from the crest of the pond embankment out to the primary spillway. This walkway will be substantially constructed of steel, with an expanded metal walk surface and adequate handrails. It will be attached to the steel structure of the primary spillway /oil skimmer structure. During discharge activities personnel in charge of the sampling will walk to the end of the walkway to collect samples

Decanting of this pond will be done manually using a small mobile gasoline powered pump. When used, the pump will be positioned on the spillway walkway, (see Map 7-4). The end of the suction hose will be equipped with a float so that the decanted water is sucked from the top layer of pond water which should contain less sediment. The discharge line of the pump will feed directly into the primary spillway. Mine personal will take samples at the discharge end of the pump line as it enters the principal spillway. Samples

will be secured and analyzed in accordance with the approved UPDES permit.

UPDES sample point #2 is located at the culvert riser near the mine portals. This riser leads directly into the main bypass culvert. The riser will be 42" in diameter, large enough to allow access by mine personnel. The purpose of UPDES sample point #2 is to sample any water that may be discharged from the mine in the future. It is not known at this time if or when such discharge may be necessary. However, if mine discharge becomes necessary, a discharge line (most likely 6" to 8" diameter) would be installed in the return entries (to keep from freezing) and would exit the mine through the fan portal. From the fan it is a short distance over to the culvert where the line would discharge directly into the main bypass culvert riser the discharge line will be equipped with a small petcock value that will conveniently allow the operator to take a UPDES sample whenever water is being discharged from the mine. Samples will be secured and analyzed in accordance with the approved UPDES permit. Refer to Appendix 7-10 for the UPDES general permit.

Inlet ditches to the pond will be protected from erosion by using concrete, culverts or rip rap to convey drainage down to the water level.

The principal spillway in cell B will be a 36" cmp culvert fitted with an oil skimmer. This spillway will carry the peak flow from the 25 year, 6 hour event at a depth of 0.89' over the pipe.

The emergency spillway, located on cell B, will also be a 36" cmp culvert fitted with an oil skimmer. This spillway will be utilized, if necessary, to convey any flow in excess of the 25 year, 6 hour precipitation event out of the pond.

The sediment pond is a temporary feature. It will be removed during final reclamation of the mine site.

No previous mining has occurred under the sediment pond location, nor is mining proposed under that site. Therefore, there should be no effect on the sediment pond due to past or future mining activities.

The pond will be constructed according to design criteria listed in Appendix 7-4 under "Design and Construction Specifications For Sedimentation Pond". The sediment pond will be removed upon cessation of mining.

A structural stability analysis was performed on the pond embankment slopes by Agapito Associates, Inc. The results of their analysis are presented in Appendix 5-4.

The pond embankment (the east slope of the pond) will be keyed into bedrock or natural ground. The bedrock appears to be competent at this location with

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no visible faults or fractures that would impair the operation and stability of the pond.

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A certified sediment and drainage control plan containing design details (Appendix 7-4) is presented in this permit application package.

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Permanent and Temporary Impoundments

Maps and cross-sections for the sediment pond have been prepared and certified. Refer to Maps 7-4 and 7-4A. Details of the pond design are presented in Appendix 7-4.

The sediment pond will collect runoff from the disturbed area during mining operations. Because the pond is a temporary structure, it has been sized according to requirements for the 10 year, 24 hour storm event. The calculated required volume for this storm event is 7.052 acre-feet, which includes a volume for three years of sediment storage. The actual design volume for the pond is 7.669 acre-feet. The pond will have a principal and emergency spillway in cell B. The maximum pond volume will be 7.669 acre-feet at the principal spillway and the maximum height water could be impounded in either of the cells is 16.5 feet (to the principal spillway in cell A). The pond therefore does not meet the criteria for MSHA regulation.

In addition to the principal spillway, the pond's emergency spillway has also been designed to safely pass the peak flow from the 25 year, 6 hour precipitation event. Any discharge from this pond will meet the requirements of the UPDES permit for the facility.

No mining will occur underneath the sediment pond nor has any mining been done beneath this location in the past. The potential effect on the structure from subsidence of subsurface strata would be nonexistent.

This temporary impoundment will be constructed and maintained to comply with the appropriate requirements. No permanent impoundments are being proposed. Reclamation of the structure will be as presented in the reclamation portion of Chapters 5 and 7 and in Appendix 5-5, Construction and Reclamation Plan.

R645-301-734

DISCHARGE STRUCTURES

Discharge structures will be constructed and maintained to comply with R645-301-744. Refer to the discussion under R645-301-744.

R645-301-735

DISPOSAL OF EXCESS SPOIL

No areas are presently designated for disposal of excess spoil. No excess spoil is anticipated during the life of the mine.

R645-301-736

COAL MINE WASTE

No coal mine waste disposal areas are being planned in the mine yard. Any waste generated will be disposed of in an approved, permitted disposal site.

R645-301-737

NONCOAL MINE WASTE

Noncoal mine waste will be stored in dumpsters, or in a contained manner, in a designated portion of the disturbed area near the shop/warehouse. Final disposal of noncoal mine waste will be in an approved, waste disposal site and will comply with R645-301-747.

R645-301-738

TEMPORARY CASING AND SEALING OF WELLS

Sealing of the groundwater monitoring well and any future wells will comply with R645-301-748. Refer to R645-301-765 for the well abandonment plan. The groundwater monitoring well will be used for monitoring only and is locked in a closed position between sampling events.

R645-301-740

DESIGN CRITERIA AND PLANS

Site specific plans that incorporate design criteria for control of drainage from disturbed and undisturbed areas are presented below.

SEDIMENT CONTROL MEASURES

Sediment control measures have been designed to prevent, to the extent possible, additional contributions of sediment to stream flow or runoff outside the permit area, to meet effluent limitations and to minimize erosion.

The most significant sediment control measure will be to collect all disturbed area runoff and divert it into a sediment pond designed for total containment of the 10 year, 24 hour precipitation event. Runoff from undisturbed areas above the mining site will be diverted, as much as possible, to reduce the amount of runoff to be treated by the sediment pond. Refer to Appendix 7-4 for the "West Ridge Mine Sedimentation and Drainage Control Plan" and Map 7-1 "Drainage Area Map " and Map 7-2 "Mine Site Drainage Map" for the mine site drainage calculations and diversion culvert specifications.

Additional measures to be taken may include: interim reclamation of disturbance, where practical, to reduce runoff and erosion; rip rapping or lining diversion ditches, where necessary, to reduce erosion; and using straw bales and check dams to control flow, sediment and erosion. A discussion of alternate sediment controls measures is presented in Appendix 7-4 for the ASCA areas (topsoil stockpile, test plots and office pad). Designs for the sediment controls will be according to information presented in Appendix 7-4 and Maps 5-5, 5-8, 7-1, and 7-4.

Snow removal activities at the mine site will attempt to stockpile any large amounts of snow in those snow storage site locations indicated on Map 7-2. The snow stockpile locations are primarily designed for storing snow clear from some of the larger pad areas. Snow will still be plowed to the side of roadways and small pad areas.

Minimizing contributions of suspended solids and sediment to streamflow or runoff outside the permit area will be accomplished by constructing a multiple cell sediment pond for sediment treatment and storage of runoff from the disturbed area. The sediment pond has been designed to provide adequate sediment storage and detention time for the 10 year, 24 hour precipitation event. The pond has a principal and emergency spillway in cell B which is designed to pass the peak flow from the design event as required by the regulations. The design of both the principal and emergency spillways will accommodate the peak flow of 23.71 cfs from a 25 year, 6 hour event.

Water will be decanted in accordance with the UPDES permit for the facility. A submersible pump will be used to decant the pond if needed.

The sediment in the pond cells will be removed when it reaches 60% of the maximum design sediment level in cells A and B of the pond. Two sediment markers will be installed at various locations in the bottom of the cells for

742.220

evaluation of the sediment level. Refer to Map 7-4 for information regarding the sediment pond configuration. Refer to Appendix 7-4 for the "West Ridge Mine Sedimentation and Drainage Control Plan" for design calculations.

The sediment pond cell will be cleaned out upon reaching the 60% of the maximum sediment capacity. Clean out will be done during late fall or early winter, October-December, when the chance of thunderstorms is the lowest and the pond is dry. Decanting of the pond prior to cleanout will probably be unnecessary due to the arid nature of the climate. However, if decanting is necessary, the water will be allowed to settle for a minimum of 24 hours. The water will be drawn down as much as possible by pumping it into the adjacent cell.

Prior to sediment removal, samples will be taken from the sediment on the bottom to determine the depth of sediment as well as the nature of the material to be removed. Samples will be composited and analyzed according to Table 6 of DOGM's "Guidelines For Management Of Topsoil And Overburden For Underground And Surface Coal Mining".

The sediment pond does not meet the size criteria of MSHA 30 CFR 77.216(a).

The sediment pond has been designed with a primary and emergency spillway each capable of safely discharging the peak flow from the 25 year, 6 hour precipitation event. This should provide an additional measure of safety to prevent damage to the pond's integrity.

The construction site for the sediment pond will be cleared of all vegetation and debris prior to the removal of topsoil. Topsoil, if present, will be removed from the pond site and stockpiled in the topsoil storage area. In areas where fill is to be placed for the pond impoundment, natural ground will be removed for at least 12" below the base of the structure. Native material will be used when possible. The fill will be placed in lifts not to exceed 15" and compacted. Compaction of the fill material will be 95% or greater. Silt fencing and straw bales will be used to treat drainage from the site until the sediment pond embankment is constructed.

742.300 Diversions

General Requirements

Flow from undisturbed areas will be diverted away, where possible, from disturbed areas by means of temporary diversions (i.e. undisturbed drainage culverts). The diversions have been designed to minimize impacts to the hydrologic balance of the permit and adjacent areas.

All of the undisturbed drainage diversions (bypass culverts) have been sized, as a minimum, to meet the 100 year, 6 hour event for maximum protection of the mine yard area, sediment pond and undisturbed drainage below. The design incorporates structural stability and protection against flooding and damage to life and property. Designs for all diversions are presented in Appendix 7-4 and the structure locations depicted on Map 7-1. The map and plan have been certified by a registered, professional engineer.

The sediment pond has been designed and located such that if any of the temporary drainage structures (disturbed area culverts and ditches) within the disturbed area were to exceed their capacity, all drainage would still flow to and be treated by the sediment pond. Four culverts will convey drainage into the sediment pond. These inlets, have been designed to pass the flow from a 10 year, 24 hour precipitation event in order to provide more capacity and an extra measure of protection.

Following completion of mining activities, the undisturbed drainage diversion culverts, which will bypass the undisturbed drainage past the disturbed area, will be removed and the natural channel restored. Restoration of the channel will seek to reestablish a natural appearance to the drainage channel while providing a suitable channel configuration. Refer to Appendix 5-5 for a detailed discussion of the reclamation plan for the C Canyon drainage channel.

Based on measurements taken during field investigations and baseline mapping in the mine yard area, it will be possible to restore the channel to a configuration similar to what exists at the present time (pre-disturbance). Refer to Map 5-1 which is the existing topography of the site. Refer to Map 5-9, Mine Site Reclamation, for the proposed channel alignment and configuration.

Vegetation surveys conducted during June and August of 1997 confirm that there is no riparian zone in the existing drainage channels. Refer to Appendix 3-1 in Chapter 3 for information regarding vegetation of the mine site area.

742.400 Road Drainage

Roads within the disturbed area will be designed and constructed to provide environmental protection and safety and will adequately provide for surface drainage control, sufficient culvert design and spacing.

The placement of the road will seek to minimize downstream sedimentation and disturbance to the road due to runoff. The road will be located on the most stable available surface.

Primary Roads

Drainage structures on the road within the mineyard will be designed and constructed to pass the peak runoff from a minimum of a 10 year, 24 hour precipitation event.

Culverts will be designed so as to avoid plugging, collapse or erosion at the inlets and outlets. Trash racks will be installed where deemed appropriate by the operator.

The culvert calculations for the C Canyon county road culvert located within the disturbed area are provided in Appendix 7-8 C Canyon Road Station 406+70 - Culvert Sizing. The culvert was sized for a 25 year storm using the UDOT Small Area Method, the same method used to size the other culverts on the C Canyon road as well.

Following mining activities, the channel will be completely restored by removing the mine yard pad fill and regrading slopes to approximate original contour. In topsoiled areas, the channel will be reestablished by removing the geotextile fabric once the pad fill has been removed. Below the geotextile will be the original channel materials in their original arrangement. The restored channel will merge with the undisturbed downstream drainage southwest of the mine office area. The gradient of the channel and the side slopes will be similar to the premining channel.

No riparian area exists along the present drainage channel. The proposed seed mix to be used for final reclamation will incorporate species that presently exist in and adjacent to the channel area. The seed will be applied to the regraded channel side slopes by hydroseeding or hand broadcasting and raking. Containerized plants would also be planted along specified portions of the reclaimed channel.

IMPOUNDMENTS

The proposed sediment pond is less than the size criteria listed in MSHA, 30 CFR 77.216(a). It has been designed and certified according to R645-301-512. Since the impoundment (sediment pond) is a temporary structure, regulations require the principal and emergency spillway to be designed to safely pass the 25 year, 6 hour precipitation event.

The impoundment will be inspected as described under R645-301-514.300.

R645-301-744

DISCHARGE STRUCTURES

Discharge from the sediment pond and bypass culvert will be controlled by riprap energy dissipators below the outlet ends downstream from the culvert outlet. The calculations and design specifications for the spillway are presented in Appendix 7-4.

R645-301-745

DISPOSAL OF EXCESS SPOIL

No areas are presently designated for disposal of excess spoil. No excess spoil is anticipated during the life of the mine. Refer to the discussion in Chapter 5, section R645-301-553 under Spoil and Waste (553.200).

No valley fills or head-of-hollow fills are being proposed.

No durable rock fills are included in the operation plan.

R645-301-746

COAL MINE WASTE

No coal mine waste piles are being proposed.

R645-301-747

DISPOSAL OF NONCOAL MINE WASTE

Noncoal mine waste, including but not limited to grease, lubricants, paints, flammable liquids, garbage, machinery, lumber and other combustible materials generated during coal mining and reclamation operations will be placed and stored in a controlled manner at the designated location near the shop/warehouse, (see Map 5-5) within the disturbed area or in a state-approved solid waste disposal area. No noncoal waste will be permanently disposed of within the permit area. Dumpsters will be used for collection and disposal of trash.

Lubricants, solvents, and grease will be stored in a covered area with limited access to prevent accidental contact from machinery. The storage area will be in the vicinity of the shop/warehouse. Any leakage at the fuel storage site will be contained within concrete lined or steel containment structures. Surface runoff will be diverted away from the storage site. Should any uncontrolled discharge of oil or petroleum products occur within the general mine yard area, the sediment pond would act as a last line of defense for the containment of any such spills and prevent flow into the natural drainage system. A Spill Prevention Control and Countermeasure (SPCC) Plan will be posted at the shop/warehouse.

A dumpster will be placed in a convenient location for disposal of nonhazardous trash. Used/broken equipment will be stored within the storage area of the mine yard. As the entire storage area reports to the sediment pond, the exact location of storage will be left to the discretion of the operator as long as the storage of materials does not block ditches or roadways.

R645-301-748

CASING AND SEALING OF WELLS

The water monitoring well (DH86-2) will be cased, sealed or plugged to prevent acid or toxic drainage from entering ground or surface water, to minimize disturbance to the hydrologic balance and to ensure safety when no longer utilized.

Upon completion of monitoring activities, the groundwater monitoring well will be permanently sealed by filling the hole with cement to within two feet of the top of the hole. Two feet of compacted native material will be placed above the sealed hole and the area reseeded.

Any future water or monitoring wells will be abandoned in a similar manner.

R645-301-750

PERFORMANCE STANDARDS

All mining and reclamation operations will be conducted to minimize disturbances to the hydrologic balance within the permit and adjacent areas, to prevent material damage to the hydrologic balance outside the permit area and support approved postmining land uses.

WATER QUALITY STANDARDS AND EFFLUENT LIMITATIONS

WEST RIDGE Resources, Inc. has obtained a UPDES discharge permit to cover any possible discharge from the sediment pond. Refer to Appendix 7-10.

R645-301-752

SEDIMENT CONTROL MEASURES

Sediment control measures will be located, maintained, constructed and reclaimed according to plans and designs given under R645-301-732, R645-301-742 and R645-301-760.

752.100

Siltation Structures and Diversions

Siltation structures and diversions will be located, maintained, constructed and reclaimed according to plans and designs given under R645-301-732, R645-301-742 and R645-301-763.

752,200

Road Drainage

Any roads within the disturbed area will be located, designed, reconstructed and maintained to control erosion, minimize contributions to stream flow, minimize diminution of the surface and ground water systems and refrain from significantly altering the normal flow of water in the drainage channel in accordance with R645-301-732.400, R645-301-742.400 and R645-301-762.

Drainage for the roads within the mine yard disturbed area has been addressed in Appendix 7-4 under culvert and ditch designs. The road configuration is presented on Map 5-5.

IMPOUNDMENTS AND DISCHARGE STRUCTURES

Impoundments and discharge structures will be located, maintained, constructed and reclaimed to comply with R645-301-733, R645-301-734, R645-301-743, R645-301-745 and R645-301-760.

R645-301-754

DISPOSAL OF EXCESS SPOIL, COAL MINE WASTE AND NONCOAL MINE WASTE

Disposal for coal mine waste and noncoal mine waste will be located, maintained, constructed and reclaimed as described in R645-301-735, R645-301-736, R645-301-745, R645-301-746, R645-301-747 and R645-301-760.

R645-301-755

CASING AND SEALING OF WELLS

All wells will be managed to comply with R645-301-748 and R645-301-765. Water monitoring wells will be managed on a temporary basis according to R645-301-738

R645-301-760

RECLAMATION

R645-301-761

GENERAL REQUIREMENTS

All temporary structures will be removed and reclaimed before bond release is sought. The restored channel will follow the grade, alignment and sinuosity of the original natural channel. Suitable riprap already existing in the stream channel will provide adequate protection against erosion, as demonstrated by the stability of the existing natural channel.

R645-301-762

ROADS

The access road is a Carbon County public road and will be left in place and maintained by Carbon County. A turnaround will be left at the end of the road.

SILTATION STRUCTURES

Siltation structures will be maintained until removal is authorized by the Division and the disturbed area has been stabilized and revegetated.

When the sediment controls are removed, the land on which the siltation structures are located will be regraded and revegetated. Refer to Chapter 5 for the regrading plans of siltation structures and Chapter 3 regarding the revegetation plan for reclamation.

R645-301-764

STRUCTURE REMOVAL

Appendix 5-1 presents a detailed timetable and outline for the removal of all structures on the minesite area. Removal of the siltation structures will be contingent upon DOGM approval. The sediment pond will be removed in conjunction with the reclamation of the mine yard.

PERMANENT CASING AND SEALING OF WELLS

Permanent closure of the monitoring well 86-2 will be in accordance with the requirements of "Administrative Rules for Water Well Drillers", July 15, 1987, State of Utah, Division of Water Rights.

The abandoned well will be filled to within two feet of the surface with Neat Cement conforming to ASTM standard C150, a cement grout consisting of equal parts of cement conforming to ASTM standard C150 and sand/aggregate with no more than 6 gallons of water per sack of cement or bentonite-based products specifically designed for permanent well abandonment.

The cement will be introduced at the bottom of the well and placed progressively upward to within two feet of the surface. The casing will be severed a minimum of 2 feet below the ground surface. A minimum of 2 feet of compacted native material will be placed above the abandoned well upon completion.

Within 30 days of the completion of well abandonment procedures, a report will be submitted to the state engineer by the responsible licensed driller giving data related to the abandonment of the well. The report shall be made on forms furnished by the state engineer and shall contain the information required, including but not limited to:

- 1) Name of licensed driller or other person(s) performing abandonment procedures,
- 2) Name of well owner at time of abandonment,
- 3) Address or location of well by section, township and range,
- 4) Abandonment materials, equipment and procedures used,
- 5) Water right or file number covering the well,
- 6) Final disposition of the well,
- 7) Date of completion.

REFERENCES

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APPENDIX 5-3C BLM R2P2 APPROVAL OF PANEL BLOCK 18-20

APPENDIX 5-3C

BLM R2P2 APPROVAL OF LONGWALL PANELS PANEL BLOCK 18-20



United States Department of the Interior

BUREAU OF LAND MANAGEMENT Utah State Office P.O. Box 45155 Salt Lake City, UT 84145-0155 http://www.blm.gov



In Reply Please Refer To: 3482 SL-068754 UTU-78562 (UT-070)

JUL 2 1 2010

Certified Mail--Return Receipt Requested Certificate No. 7009 1410 0001 9070 8120

Mr. David W. Hibbs President West Ridge Resources, Inc. P. O. Box 910 East Carbon, Utah 84520

Re: N

Minor Modification, Resource Recovery and Protection Plan (R2P2), Longwall Panel Plant 18 through 20. West Bidge Mine

Block 18 through 20, West Ridge Mine

Dear Mr. Hibbs:

The Bureau of Land Management (BLM) has received from West Ridge Resources, Inc. (West Ridge), proposed revisions to the subject R2P2. The modification seeks approval of three longwall panels where the final authorization to mine would rely on the results of monitoring the mining of a previous longwall panel and its affects to the Grassy Trails Reservoir. The area of the mine affected by this proposal is on Federal coal lease UTU-78562 and this mine plan is contingent on mining on adjacent private coal lands.

Proposed Plan: West Ridge proposes to mine three longwall panels, numbers 18, 19 and 20, located between the Main Entries and the Grassy Trails Reservoir. These panels would be mined after the current block of panels on the northwest of the Main Entries is completed. Development for these proposed panels is planned to begin the last part of this year. The R2P2 for this area originally planned for longwall panels at this location. Due to the lease stipulation in UTU-78562, which requires protection of the Grassy Trails Reservoir from effects by underground mining, the currently approved R2P2 did not authorize mining these three panels pending the results and analysis of the data gathered from mining panel number 7, south of the reservoir.

The BLM has received all the monitoring data and the detailed report from the consultants. We have reviewed the information and have received in this modification, West Ridge's justification to mine these three longwall panels. We agree with the conclusion that mining longwall panels 18 through 20 as submitted should have no adverse effects on the dam structure or reservoir. The dam structure has seen no detectable affects from the mining of panel number 7. The proposed

panels are further distant from the reservoir and much further from the Grassy Trails Reservoir dam. Also, the new panel-barrier-panel design has reduced dramatically the amount and intensity of any mining induced seismicity or subsidence. Additionally, this mining plan will comply with the lease stipulation to not subside perennial streams, unless authorized, as the Left Fork Whitmore Canyon Stream will be under a barrier pillar and no full extraction mining is planned under the stream.

Approval: The R2P2 modification is hereby approved as submitted for longwall panels 18, 19, and 20 on the Federal coal lease UTU-78562. As the bleeder entries and the back ends of panels 19 and 20 are located on private coal lands, our approval is for the Federal coal lease and other authorizations are needed for the complete plan.

<u>Maximum Economic Recovery (MER)</u>: The proposed plan to mine these three longwall panels will achieve MER for the Federal coal lease UTU-78562.

Recoverable Reserve Base: The recoverable reserves for the proposed three longwall block area was included in the provided and BLM reviewed August 25, 2009 reserve update for the West Ridge Mine. The recoverable reserve base for lease UTU-78562 is 12,540,390 tons (6,740,390 tons produced up to July 31, 2009 plus 5,800,000 estimated recoverable tons remaining from the August 25, 2009 update). Likewise, the recoverable reserve base for lease SL-068754 is 17,287,365 tons (12,327,365 tons produced up to July 31, 2009 plus 5,500,000 projected recoverable tons remaining from the August 25, 2009 update). If you have questions or different information on the recoverable reserve base, please contact us.

No new surface disturbance is predicted with this plan change, and therefore this action is Categorically Excluded from NEPA analysis as explained in the Department Manual (45 DM Part 516 11.5 (F)(8)): Approval of minor modifications to, or minor variances from, activities described in an approved underground or surface mine plan for leasable minerals (e.g., change in mining sequence or timing).

The BLM has determined that this modification complies with the Mineral Leasing Act of 1920, as amended, the regulations at 43 CFR 3480, and the lease terms and conditions. The modification to the R2P2 is approved as depicted on the enclosed mine map with the exception of the mining depicted up dip near the coal outcrop and mine portals. This area, as shown on the approved map, is still pending the addition of a lease modification application. If you have any questions, please contact Stephen Falk in the Price Field Office at (435)636-3605 or Jeff McKenzie of my staff at (801)539-4038.

Roya L Bankut

Roger Bankert

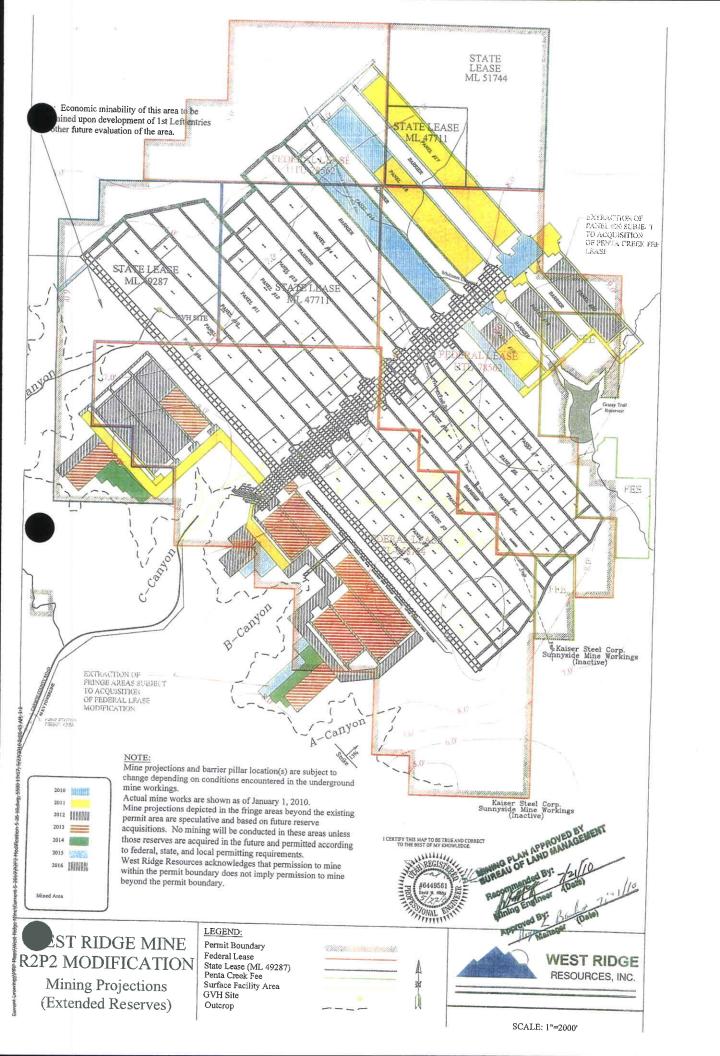
Chief, Minerals Branch

Enclosure
Approved Mine Map

cc: UT0070, Price Field Office (w/ encl.)

Daron Haddock, Coal Program Manager Utah Division of Oil Gas and Mining (w/encl.) 1594 West North Temple, Suite 1210 Salt Lake City, Utah 84114-5801

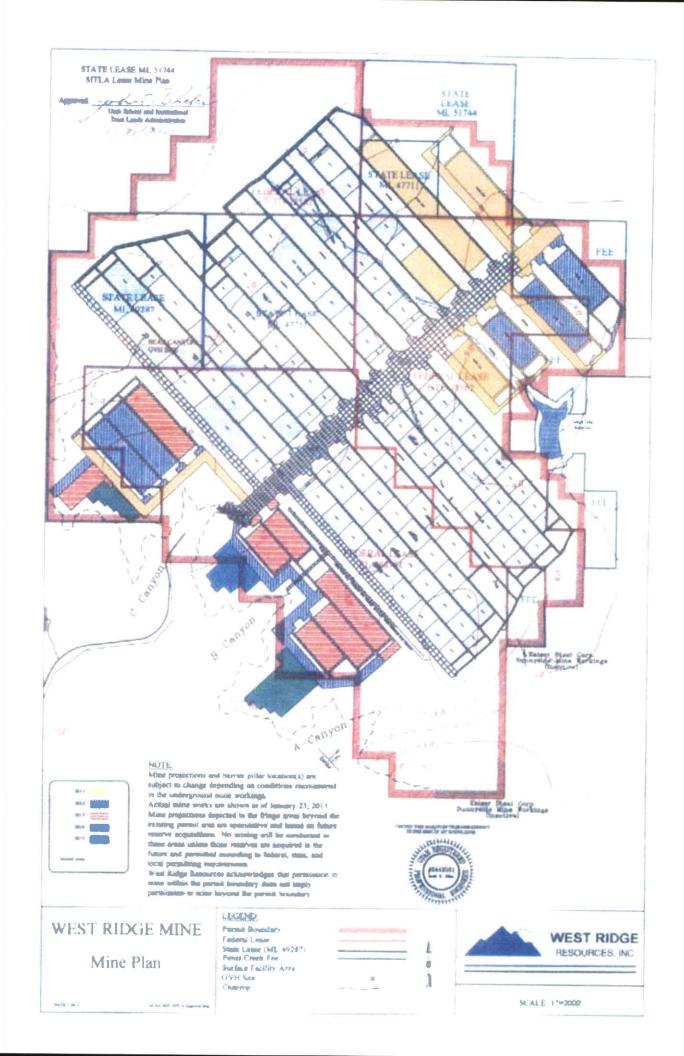
John Blake, Mineral Resource Specialist State of Utah (w/encl.) School and Institutional Trust land Administration 675 East 500 South, Suite 500 Salt Lake City, Utah 84102-2818



APPENDIX 5-10 SITLA MINE PLAN APPROVAL

NOTE TO REVIEWERS:

ADD THIS TO END OF APPENDIX 5-10



APPENDIX 5-13A GRASSY TRAIL MONITORING/INSPECTION PLAN FOR PANEL BLOCK #18-21

APPENDIX 5-13A

GRASSY TRAIL MONITORING/INSPECTION PLAN FOR PANEL BLOCK #18-21

APPENDIX 5-13A

GRASSY TRAIL MONITORING/INSPECTION PLAN FOR PANEL BLOCK #18-21

GRASSY TRAIL DAM MONITORING NOTIFICATION LIST

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GRASSY TRAIL DAM MONITORING/INSPECTION PLAN PANEL BLOCK #18-21

(NOTE: The following monitoring plan was approved for and implemented during the previous mining of Longwall Panel #7, and has been updated accordingly for Panel Block 18-21.)

- Prior to previous longwall mining of Panel #7, additional subsidence control monuments were established across the crest of the dam on 100' centers, across the face of the dam midway down the slope on 200' centers, and along the toe of the dam on 200' centers.
- Prior to previous longwall mining of Panel #7, the upper hillside accelerometer was removed, recalibrated, and relocated at the dam. The dam site accelerometer was removed, recalibrated, and relocated at a new location on the hillside approximately midway between the dam and the previous upper hillside location. In 2010, the hillside accelerometer was recalibrated and relocated northwest of the reservoir in the Left Fork of Whitmore canyon.
- Prior to previous longwall mining of Panel #7, a seepage collection system was installed at the seep area located along the east abutment of the dam. This system was designed to collect the entire flow of the seep to a common point to allow accurate measurement of the seepage flow.
- Prior to longwall mining of Panel Block 18-21 a complete set of premining baseline data will be established including:
 - -Peizometer readings.
 - -Accelerometer readings.
 - -Inclinometer readings.
 - -Relative elevations of all subsidence monitoring monuments located on the dam. (Absolute elevations of all monuments will be surveyed before, during and after extraction of longwall Panel Block 18-21)
 - -<u>Flow rates</u> at the east abutment seep, west abutment seep, and toe drain.
 - -Visual inspection of the dam, seeps, and slide area.
 - -Electronic photographs at predetermined designated viewpoints.
- RB&G will be responsible for compiling and distributing the following weekly, monthly, and event-driven inspection and monitoring reports. These reports will be generated in an electronic format and emailed on a timely basis to the Division of Dam Safety, Division of Oil, Gas & Mining, Bureau of Land Management, East Carbon City, Sunnyside City, and WEST RIDGE Resources (herein after referred to as the designated parties).

- <u>Weekly basis:</u> After longwall mining has commenced in Panel Block 18-21 the following monitoring will be done on a weekly basis:
 - -Site reconnaissance/visual inspection, including reservoir level (to be taken by RB&G Engineering and/or East Carbon City, in cooperation)
 - -<u>Piezometer readings</u> level (to be taken by RB&G Engineering and/or East Carbon City, in cooperation)
 - -Accelerometer readings (to be taken by RB&G)
 - -Flow rates at the east seep, west seep, and toe drains. (These flow rates will be determined by actual measurements not by visual estimates to be taken by RB&G Engineering and/or East Carbon City, in cooperation)
- <u>Monthly basis:</u> In addition to the weekly monitoring the following monitoring will be conducted on a monthly basis:
 - -Inclinometer readings (to be taken by RB&G)
 - -<u>Relative elevations</u> of subsidence monitoring monuments located on the dam. These surveys will be conducted by a registered professional surveyor under contract with West Ridge Resources.
 - -Electronic reporting (emails) of the monthly accelerometer, piezometer and inclinometer measurements will be prepared by RB&G Engineering and will be sent out on a monthly basis to the designated parties. Emails of the monthly monument measurements will be prepared by West Ridge Resources or its contracted surveyor and will be sent on a monthly basis to the designated parties. If conditions warrant, Division of Dam Safety may require more frequent reporting of any or all data.
- <u>Event-driven basis:</u> In addition to the weekly and monthly inspections the following measures will be taken on an event-driven basis:
 - -The University of Utah seismic readings will be monitored on a daily basis. This monitoring will be done by RB&G Engineering and/or West Ridge Resources, in cooperation. If any events are recorded greater than a magnitude 3.0 within 5 miles of the dam then, within 24 hours of such readings, a full site reconnaissance and visual inspection will be conducted, and accelerometer readings will be taken. If any accelerometer readings show a recorded value greater than 0.2g and/or 0.1g for any pga values

recorded at the dam, then <u>inclinometer readings</u>, <u>piezometer</u> readings and drainflow measurements (east seep, west seep, and toe drain) will be taken at that time. The results of these measurements will be emailed immediately by RB&G Engineering to all designated parties.

- The standardized form of the inspection/monitoring reports is included as an attachment.
- Monitoring and reporting will continue on the prescribed weekly, monthly, and event driven basis during the mining of Panel Block 18-21 as long as seismic events continue to be recorded. Based on the results of the monitoring, <u>Utah Division of Dam Safety has the authority to increase the level or frequency of monitoring at any time as required to ensure safety of the dam and reservoir</u>. At such time that the frequency and magnitude of the events diminishes sufficiently the agencies (Dam Safety, DOGM, BLM, East Carbon City, and Sunnyside City) will make a collective consensus determination to reduce, modify, and/or eliminate the various elements of the monitoring program.
- NOTE 2 In the 2005 approval of Panel 7, BLM added a special stipulation #17 to the federal lease related specifically to the Grassy Trail Reservoir, stating, "The Lessee is and will remain liable for any and all damages or hazardous conditions resulting from the mining operations under the lease." The latest 2010 BLM approval for panel block 18-20 contains reference to this same lease stipulation #17
- NOTE 3 It should also be noted that, as with previous mining of panel 7, the Utah Division of Dam Safety will have authority to stop any longwall mining of panel block 18-21 if it determines that mining-related seismicity or subsidence is creating, or has created, an unacceptable level of risk to the Grassy Trail dam or reservoir, based on monitoring at the time.

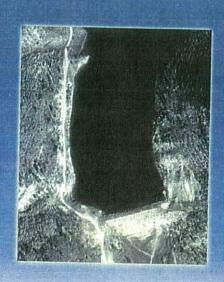
APPENDIX 5-16 GRASSY TRAIL SUMMARY REPORT RB&G ENGINEERING, 2008

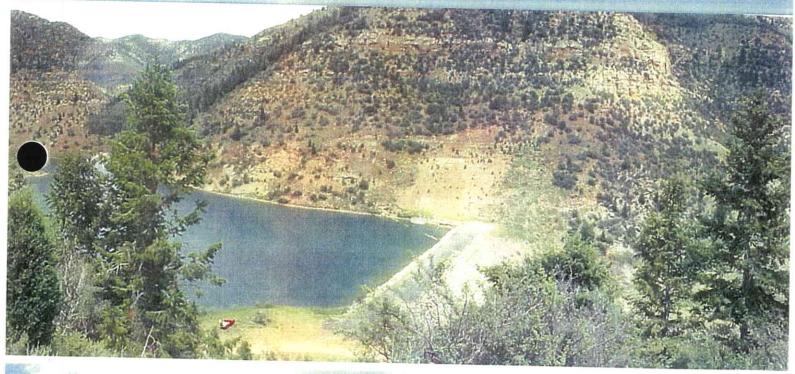
APPENDIX 5-16

GRASSY TRAIL DAM AND RESERVOIR MINING-INDUCED SEISMICITY SUMMARY REPORT, 2008

GRASSY TRAIL DAM AND RESERVOIR MINING-INDUCED SEISMICITY

Summary Report, January 2008









January 31, 2008

Dave Shaver West Ridge Resources, Inc. P.O. Box 1077 Price, UT 84501

Subject: Grassy Trail Dam and Reservoir

Mining-Induced Seismicity Summary Report

Gentlemen:

A Summary Report has been completed for the Mining-Induced Seismicity Study at the Grassy Trail Dam and Reservoir in Carbon County, Utah.

We appreciate the opportunity of providing this service for you. If there are any questions relating to the information contained herein, please call.

Sincerely,

RB&G ENGINEERING, INC.

S. Robert Johnson, P.E.

bep/jag

Bradford E. Price, P.E.

1435 WEST BUTTERSHIP PROVIDENCE STRUCTURES

MINING-INDUCED SEISMICITY NEAR GRASSY TRAIL DAM AND RESERVOIR

Carbon County, Utah

Summary Report - January 2008

TABLE OF CONTENTS

1	1 INTRODUCTION3			
	1.1	Background	رع	
	1.2	Overview of Instrumentation	6	
	1.2.1		7	
	1.2.2	Inclinometers	7	
	1.2.3	Piezometers and Observation Wells	8	
	1.2.4	Seepage Monitoring Points	8	
	1.2.5	Survey Points	8	
	1.2.6	UUSS Data	8	
	1.3 N	Aining Timeline and Proximity to Reservoir	9	
2	PRES	ENTATION OF MONITORING DATA	10	
	2.1 G	round Motion Monitoring Devices	10	
	2.2 In	clinometers	11	
	2.2.1	Inclinometer 1	11	
	2.2.2	Inclinometer 2	12	
	2.2.3	Inclinometer 3	14	
	2.2.4	Inclinometer 4	16	
	2.3 Pi	ezometers and Observation Wells	17	
	2.4 Se	eepage Monitoring Points	18	
	2.5 St	ırvey Points	19	
	2.5.1	Survey Points on Hillside West of Reservoir	20	
	2.5.2	Straight-Line Survey of Dam Crest	21	
	2.5.3	Settlement Monitoring Points on Dam Crest	22	
3		ARY AND CONCLUSIONS		
		ining-Induced Ground Motions at Grassy Trail Reservoir		
		ermanent Ground Deformations at Grassy Trail Reservoir		
	3.2.1	Grassy Trail Dam Embankment and Abutments	25	
	3.2.2	Slide Areas on Hillside West of Reservoir	27	
4	RECOI	MMENDATIONS	28	
RE	FEREN	DES	30	

FIGURES	
WEST RIDGE MINE PROJECT AREA	Eiguro 4
LOCATIONS OF INSTRUMENTATION	Figure 0
PROJECTED DATES OF MINING (AS OF JUNE 2005)	Figure 3
CROSS SECTION THROUGH PANEL 7 AND GRASSY TRAIL DAM	Figure 4
ACTUAL DATES OF MINING IN PANEL 7 (THROUGH AUGUST 7, 2006)	rigure 4
PROJECTED FUTURE MINING (AS OF OCTOBER 2007)	Figure 5
	Figure 6
APPENDICES	
APPENDIX A – SUMMARY OF MINIMATE GROUND MOTION RECORDS Monthly Summary of Ground Motions	Table A.A.
Number of Events Recorded Per Day	rable A-1
Number of Events Recorded Per Week	Figure A-1
Events per Week and Proximity to Mining	Figure A-2
Peak Ground Accelerations and Event Magnitudes versus Time.	Figure A-3
	Figure A-4
APPENDIX B - SUMMARY OF INCLINOMETER MEASUREMENTS	
Inclinometer 1 – Deflection Profiles	Figure B-1
inclinometer 2 – Deflection Profiles	Figure P 2
inclinometer 2 - Plan View of Deflections	Figure P 2
inclinometer 2 – Deflections versus Time	Figure P 4
Inclinometer 3 – Deflection Profiles	Figure P. F.
inclinometer 3 – Plan View of Deflections	Figure P.C
Inclinometer 3 – Deflections versus Time.	Figure B-7
inclinometer 4 – Deflection Profiles	Figure R-8
inclinometer 4 – Plan View of Deflections	Eiguro P 0
Inclinometer 4 – Deflections versus Time	Figure B-10
Approximate Zones of Significant Mining-Induced Deflection	Figure B-11
APPENDIX C – SUMMARY OF PIEZOMETER READINGS AND SEEPAGE MEASUREM	MENTS
Reservoir Elevation and Piezometer Readings	Figure C-1
Seepage Measurements versus Time	Figure C-2
APPENDIX D – SUMMARY OF SURVEY POINT MONITORING	
Hillside Survey Point Locations	Figure D-1
Surveyed Coordinates of Hillside Survey Points	Table D-1
Points 1-14 – Change in Northing Coordinates	Figure D-2a
Points 1-14 — Changes in Easting Coordinates	Figure D-2b
Points 1-14 – Changes in Elevation Coordinate	Figure D-2c
Points 30-49 - Change in Northing Coordinates	Figure D-3a
Points 30-49 – Changes in Easting Coordinates	Figure D-3b
Points 30-49 – Changes in Elevation Coordinate	Figure D-3c
Memo from Ware Surveying Regarding Straight-Line Survey	Exhibit D-1
Locations of Survey Points on Dam Crest	Figure D-4
Surveyed Distances along Dam Crest	Table D-2
Elevations of Settlement Monitoring Points on Dam Crest	Table D-3
Survey Points on Dam – Change in Elevation versus Time	Figure D-5
APPENDIX E - MONITORING SCHEDULES AND DATA DISTRIBUTION LISTS	
Memo – December 4, 2006	Exhibit E-1
Memo – November 14, 2007	Exhibit E-2

MINING-INDUCED SEISMICITY NEAR GRASSY TRAIL DAM AND RESERVOIR Carbon County, Utah



Summary Report - January 2008

1 INTRODUCTION

This report summarizes monitoring activities conducted at Grassy Trail Dam and Reservoir primarily between the months of August 2005 and January 2008. The primary purpose of this study has been to monitor the effects of mining-induced seismicity on the dam and reservoir during and following the mining of Panel 7 in West Ridge Mine.

1.1 Background

The project area is shown on Figure 1. Grassy Trail Dam and Reservoir are located in the Book Cliff Mountains in eastern Utah, about seven miles north of Sunnyside, Utah. The dam is located in Section 7, Township 14 South, Range 14 East, Salt Lake Base and Meridian. The multi-zoned earth embankment structure was completed in 1952 and is 89 feet high, with a crest length of about 600 feet. The reservoir has a design storage capacity at the spillway crest of about 916 acre feet, and supplies culinary water to the towns of Sunnyside and East Carbon.

RB&G Engineering performed a Dam Safety Study for the owner of the Grassy Trail Dam in 1979. In 1998, RB&G Engineering provided geotechnical engineering services relating to the Phase II Dam Safety Study for Creamer & Noble Engineers, requested by the Utah State Division of Water Resources. These services included installing instrumentation (piezometers and inclinometers) to allow monitoring of the embankment.

Agapito Associates, Inc. prepared a report for West Ridge Resources in November 2004 evaluating the estimated impacts to the Grassy Trail Reservoir due to longwall mining, which included the anticipated ground deformation at or near the reservoir as the soil and the rock subsided over the mined areas.

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In 2004, West Ridge Resources contracted with RB&G Engineering to provide engineering services including evaluation and monitoring of mining-induced seismicity (MIS) at Grassy Trail Dam and Reservoir. Additional instrumentation was installed to monitor ground shaking at the reservoir site. Instrumentation data obtained during mining of Panel 6 was summarized and presented in a report dated August 2005. This report included a discussion of potential impacts on the dam and reservoir during future mining of Panel 7, which was set to begin in December 2005 or January 2006. The report also provided recommendations for monitoring to be performed during mining of Panel 7.

A brief summary of the evaluations described in the August 2005 report is presented below:

- At its nearest point to the Grassy Trail Dam, the Panel 7 mining was to occur approximately 1664 feet vertically below the crest of the dam, and approximately 995 feet horizontally west of the dam's right abutment. This resulted in an anticipated minimum hypocentral (diagonal) distance of about 1939 feet between the dam and the closest point on Panel 7.
- Based on studies of mining-induced seismicity performed for the Joe's Valley/Trail Mountain area and consultation with authors of these studies (Walter Arabasz and Relu Burlacu of the University of Utah), a probable maximum magnitude of 3.9 was selected for engineering analyses. It was acknowledged that the likelihood of such an event during the mining of Panel 7 would be low, as no MIS event having a magnitude greater than 2.0 had been recorded in the area since the West Ridge Mine began operations in 2001.
- Based on a ground motion attenuation relationships developed by McGarr and Fletcher (2005) for low-magnitude, near-source mining-induced events, it was estimated that a peak ground acceleration (PGA) of 1.07g could occur at the reservoir if the probable maximum magnitude event occurred at the minimum hypocentral distance to the dam.
- Ground motions obtained from seismographs in the area were scaled to the
 maximum anticipated PGA value, and a Newmark Sliding Block analysis was
 performed to estimate potential deformation of the dam in the extreme design
 event. The analysis resulted in an estimated average embankment deformation of
 5.4 inches, with a maximum deformation of 9.7 inches. If an additional 6 inches of

- subsidence were assumed based on the Agapito report, the 7.5 feet of freeboard would only be reduced by about 1.3 feet, allowing a factor of safety of about 5.7 against overtopping following the estimated deformation and subsidence.
- For the maximum magnitude of vertical displacement described above, open joints and cracks in the embankment crest were not expected to propagate below the high water level.
- For seismic events having magnitudes less than 3.4, significant deformation of the embankment was not expected, even for events originating in the closest longwall panel. Based on the MIS history of West Ridge Mine, it was noted that mining conditions and operations did not appear conducive to event magnitudes greater than 2.0. It was recommended that mining operations be planned and executed in such a manner as to continue to minimize the magnitude of seismic events.
- Slope failures had been documented in areas above the abutments and the reservoir.
 These failures appeared to be shallow at the abutments, and continued movement of this type was not expected to impact the dam and reservoir, beyond minor maintenance.
- Landslide activity had been documented on the west rim of the reservoir, and the potential for further sliding was evident. An inclinometer was installed near the toe of this slide area to monitor further movement. As of August 2005, readings of this inclinometer suggested that some minor movement may have occurred since the inclinometer was installed in February 2005. It was noted that research of historic earthquake-triggered landslides indicates that earthquakes having magnitudes less than 4.0 are not likely to trigger landslides, even at epicentral distances as close as 100 meters (328 feet). It was concluded that the potential for landslide activity triggered by anticipated mining-induced seismicity is very low.
- Based upon the analyses presented in the report, it was considered unlikely that the anticipated mining-induced seismicity would impact the performance of the dam and reservoir. In order to verify the results of the analyses and protect against unforeseen conditions, it was recommended that an inspection and monitoring schedule be implemented when longwall mining activity occurs in Panel 6 and Panel 7. We recommended that the schedule include the following:

- Weekly site reconnaissance to observe any change of conditions in the embankment crest or slopes and landslide areas. Particular attention was to be given to cracking, ground deformation or seepage.
- Photographs were to be taken of areas of concern, particularly areas of slumping and seepage.
- Seepage collection and monitoring systems were to be installed and weekly measurements to begin at least one week prior to mining in Panel 7.
- Monthly measurement of inclinometers, piezometers, and ground motion monitoring devices.
- It was recommended that the instruments be sent to the manufacturer for recalibration, preferably one at a time such that one instrument would remain in operation continuously on the dam crest.
- Monthly survey of control points on the embankment and in the landslide areas. The installation and monitoring of additional settlement monuments was recommended for the dam crest, downstream slope, and toe.
- Daily monitoring of the UUSS list of recent seismic events (www.seis.utah.edu/recactivity/recent.shtml), including a daily record of the largest recorded event within 5 miles of the site.
- It was recommended that when an event greater than 3.0 occurs within 5 miles of the site, a site reconnaissance of the embankment crest, slopes and landslide areas be performed within 24 hours, along with seepage measurements and a review of ground motion recordings from the on-site instruments. If recorded ground acceleration exceeded 0.2g, instrumentation readings were to be performed as well.

1.2 Overview of Instrumentation

The locations of instrumentation used for the monitoring program are shown on Figure 2. A brief description of each type of instrumentation is provided below.

1.2.1 Ground Motion Monitoring Devices

Two Instantel MiniMate Plus (standard triaxial geophone) seismic monitoring

instruments were first installed at the site in September 2004. Unit #BE9690 was installed

on the crest of the dam. Unit #BE9698 was initially installed on the hillside

approximately 900 feet west of the right (west) dam abutment, at an elevation of about

7900 feet.

The initial location of the hillside unit was selected such that the hypocentral (diagonal)

distance between the unit and the nearest point mined on Panel 6 would be similar to the

hypocentral distance between the right dam abutment and the nearest point to be mined

on Panel 7. Following the initial monitoring during mining of Panel 6, the hillside unit

was moved down the hillside to a location approximately 600 feet southwest of the right

dam abutment, in order to better monitor ground motions that could affect the dam and

reservoir.

It should be noted that the clocks on the ground motion monitoring devices have shown a

tendency to lag behind the correct time, and have required correction after each

download. The clocks have been observed to lose an average of about 4 minutes per

month, which accounts for observed time differences between events recorded by the

devices and University of Utah seismograph data.

1.2.2 Inclinometers

Four inclinometers have been installed at the site. The first three of these instruments

were installed in 1998, and included one inclinometer on the dam crest near the left (east)

abutment, one on the dam crest near the right (west) abutment, and one on the hillside

immediately west of the right abutment. A fourth inclinometer was installed in February

2005 along the road running along the west side of the reservoir. This instrument was

installed to monitor slope movements near the toe of an apparent landslide mass.

Monitoring of the inclinometers involves lowering a probe into the pipe and recording the inclination of the probe at depth intervals of two feet. The readings from each site visit can be compared to show the lateral deflection on two perpendicular axes over time.

1.2.3 Piezometers and Observation Wells

Two observation wells and five piezometers were installed in the dam in 1998. These instruments were monitored on a regular basis during the summer months between 1998 and 2005. Seven additional piezometers were installed early in 2005 to allow more thorough monitoring of seepage in the dam. In January 2006, two more piezometers were installed near the dam's right abutment. The water levels in piezometers and observation wells have generally been measured at weekly intervals since the beginning of summer of 2005.

1.2.4 Seepage Monitoring Points

Seepage monitoring points include the toe drain installed during construction of the dam, a seepage collection system constructed on the left abutment in November 2005, and a seepage collection area on the right abutment along the west side of the road. Seepage points on the dam have generally been monitored at weekly intervals since November 2005.

1.2.5 Survey Points

Survey monitoring points at the reservoir include subsidence points and instrumentation boxes on the dam itself, as well as 33 points located on the hillside west of the reservoir.

1.2.6 UUSS Data

The University of Utah Seismograph Station (UUSS) internet site has been monitored daily throughout the study. Station BCE was installed above the West Ridge Mine and began operation in August 2003.

1.3 Mining Timeline and Proximity to Reservoir

Figure 3 shows the locations of West Ridge Mine Panels 6 and 7 relative to Grassy Trail Dam and Reservoir. This figure includes the dates of completed mining for about half of Panel 6, as well as the dates that mining in each area through Panel 7 was expected to occur, as of June 2005. Figure 4 is a cross section illustrating the location of Panel 7 with respect to the dam. It will be noted that the coal seam to be mined lies 1664 feet vertically below the crest of the dam. The nearest point on Panel 7 lies 995 feet horizontally west of the dam's right abutment.

The actual dates of mining in Panel 7 (through August 7, 2006) are shown on Figure 5. The mining of this panel commenced in early December of 2005, and the shortest horizontal distance between the dam and the active mining occurred around the first week of March, 2006.

Following completion of Panel 7, the mining operation moved to a new panel located between 1.5 and 3 miles west of the reservoir (north of the previously-mined panels). The projected areas to be mined in the next five years are shown on Figure 6. From this figure, it appears that future mining will gradually progress in an easterly direction, moving closer to the reservoir. The potential future mining of panels located as close to the reservoir as Panels 6 and 7 is not projected to occur until the year 2012.

2 PRESENTATION OF MONITORING DATA

Summaries of monitoring data obtained from seismic ground motion instruments, inclinometers, piezometers, seepage monitoring points, and survey points are presented in the appendix of this report. This section discusses the apparent correlations between the mining operations at West Ridge Mine and the data collected at Grassy Trail Dam and Reservoir.

2.1 **Ground Motion Monitoring Devices**

The MiniMate geophones have provided monitoring of ground motions at the site since January 2005. Each instrument has been sent to the manufacturer for re-calibration twice during this time period. In each case of re-calibration, one device was left in operation while the other was being re-calibrated, to ensure that at least one device would be present at the site at all times to provide continuous data during the full duration of the study.

Tables and graphs summarizing the MiniMate data are included in Appendix A of this report. A summary of the number of events per month and the characteristics of the largest event each month is tabulated on Table A-1.

The number of seismic events recorded per day since January 2006 are plotted on Figure A-1. The number of events per day reported by the UUSS are also plotted on this figure. The figure shows that the dam and hillside seismic units recorded the most daily events during March and April 2006. The daily number of events recorded at the reservoir decreased through the summer of 2006. In contrast, the maximum number of daily earthquakes recorded by UUSS occurred in the months of July through September 2006. These trends are also illustrated on Figure A-2, which shows events per week rather than events per day.

Figure A-3 shows the number of events recorded weekly at the reservoir during 2006, as well as the approximate horizontal distance from the mining to the dam at a given time. The number of events detected at the reservoir appears to be a function of the proximity of recent mining. This figure shows that the maximum number of weekly events at the reservoir does not directly coincide with the closest distance to the ongoing mining. Instead, the period of most frequent events lags several weeks behind the period of nearest mining activity. This lag time is likely caused by the tendency of the longwall ceiling to hang up for a period of time while building up stresses sufficient to collapse a portion of the roof.

The maximum weekly peak ground acceleration values recorded at the reservoir are plotted versus time on Figure A-4. The time period during which the greatest acceleration values were recorded corresponds approximately with the time period of closest mining (February through April 2006). A maximum PGA value of almost 0.35g was recorded at the hillside instrument on March 11, 2006 during mining of Panel 7. The March 11 event had a magnitude of 2.6, which is the largest magnitude reported for the Grassy Trail and West Ridge vicinity during the 2005-2007 monitoring work. The PGA value recorded by the instrument on the dam during this event was 0.27g.

It is interesting to note that the PGA values recorded during the March 11, 2006 event were about ten times the maximum PGA value recorded during mining of Panel 6. It should also be noted that the maximum event magnitude reported during mining of Panel 6 was 2.0, while the March 11, 2006 event had a substantially larger magnitude of 2.6. It is likely that the closer proximity of Panel 7 and the larger event magnitude both contributed to the dramatic increase in peak acceleration values. Potential reasons for the larger acceleration value associated with the March 11 event are discussed in greater detail in Section 3 of this report.

2.2 Inclinometers

Figure 3 shows the location of each inclinometer. Data from the four inclinometers at the reservoir are compiled in Appendix B. A discussion of data obtained from each inclinometer is presented below.

2.2.1 Inclinometer 1

Inclinometer 1 was installed at the easterly (left) end of the dam in 1998. This inclinometer extends through approximately 48 feet of dam embankment fill and into the foundation to a total depth of about 107 feet. The positive "A" axis of this inclinometer pipe is oriented into the abutment toward the southeast, and the positive "B" axis is oriented downstream to the southwest. Deflection profiles recorded by Inclinometer 1 are shown on Figure B-1. This figure shows that the uppermost 2-foot deflection interval shows substantially greater deflections than the rest of the readings. This observation indicates only that the pipe is not rigidly confined in the soil in the upper few feet, and is not an indicator of significant ground movements.

With the exception of the uppermost point, the deflections recorded along either Inclinometer 1 axis is less than about 0.2 inch. The maximum deflection was measured on July 14, 2006 and was observed to be in a northerly direction, which is contrary to most of the previous readings showing slight deflections tending to the southwest. A later measurement recorded in October 2006 showed a profile similar to those recorded prior to July 14. The October profile, along with profiles from earlier measurements, suggests that the July 14 profile is likely in error. The magnitudes of the Inclinometer 1 displacements are small, and do not exhibit a significant tendency toward instability in this area.

2.2.2 Inclinometer 2

Inclinometer 2 was installed near the west (right) end of the dam in 1998. This pipe extends to a total depth of 128 feet, including approximately 120 feet of embankment fill and underlying foundation soil before penetrating about 8 feet into sandstone bedrock. This inclinometer is oriented such that positive movement on the "A" axis indicates movement into the west abutment, and positive movement on the "B" axis is upstream toward the reservoir.

Deflection profiles for the "A" and "B" axes are shown on Figure B-2 in Appendix B. The inclinometer pipe has deflected approximately 3.5 inches in the negative "A" direction, with the large majority of this deflection having occurred between December 2005 and August 2006. The profiles also show deflection of about 0.7 inch in the positive

"B" direction to have occurred over approximately the same time period. In both cases, the profiles appear to be relatively stable since the end of the summer in 2006.

The shapes of the deflection profiles are relatively consistent for the various dates that measurements were recorded. On both axes, the deflections below a depth of 120 feet are minimal. The deflection on the "A" axis increases in an approximately linear fashion between depths of 120 and about 66 feet, with the exception of a relatively abrupt increase between depths of 114 and 112 feet. Profiles measured after summer of 2006 show a deflection difference of about 0.4 inch between depths of 114 and 112 feet. Above a depth of 66 feet, the measured deflection is relatively consistent, indicating very little relative deflection between a depth of 70 feet and the top of the dam.

The deflection on the "B" axis is somewhat abrupt between depths of 120 and 110 feet, followed by a near linear trend of gradually increasing deflections between 110 and 45 feet. Above a depth of 45 feet, the "B" axis profile is marked by a an opposite near linear trend of decreasing deflections, such that the deflection at the top of the pipe is very small (less than about 0.2 inch) relative to the bottom of the pipe. The resulting profile appears to "bulge" along the positive "B" axis, with the maximum deflection of 0.7 inch occurring at a depth of about 44 feet.

The deflected shape of Inclinometer 2 on October 28, 2006 relative to a baseline shape measured on July 20, 2004 is shown in plan view on Figure B-3. The figure shows that the measured deflections are oriented primarily along the dam axis from the west (right) abutment toward the maximum section to the east. The slight "bulging" noted on the "B" axis profile is in the upstream direction.

Figure B-4 shows deflections along the "A" axis of Inclinometer 2 plotted versus time. The blue line is a plot of relative deflection between depths of 44 and 122 feet. Lines showing deflections between depths of 66 and 120 feet, as well as the 120 to 126-foot depth interval and several shallower depth intervals, are also shown. It is apparent from the figure that the relative deflection measured along the "A" axis was minor at depths above 44 feet and below 122 feet.

The dates on Figure B-4 can be compared to the dates at which mining occurred closest to the dam. Some lateral deflection (0.4 inch over the 44 to 122-foot depth interval) occurred during Panel 6 mining in 2005. Much of the 2005 deflection occurred during the first half of the year, and measurements after June appear to demonstrate a decreasing rate of deflection. By November 2005, the ongoing deflection appears to be negligible.

As mining commenced in Panel 7, the deflections measured in Inclinometer 2 began to increase substantially, with the greatest deflections occurring during and immediately following the period of shortest distance between the mining and the dam. By August 2006, the ongoing deflections were very small.

There appears to be a very strong correlation between the deflections measured by Inclinometer 2 and the proximity of longwall mining. The larger magnitudes of events recorded during Panel 7 mining compared to Panel 6 mining may also contribute to the larger lateral deflections observed during Panel 7 mining.

2.2.3 Inclinometer 3

Inclinometer 3 was installed in the dam's right (west) abutment in 1998. This pipe extends through about 7 feet of clayey overburden soil, underlain by predominantly mudstone to about 42 feet, and terminates after penetrating about 11 feet into sandstone at a total depth of 53 feet. The positive "A" axis of Inclinometer 3 is oriented predominantly away from the dam and 20 to 25 degrees upstream of the dam axis. The positive "B" axis is oriented predominantly upstream toward the reservoir.

Profiles of deflection measurements recorded at Inclinometer 3 are shown on Figure B-5. The deflection shape shown for the "A" axis is relatively irregular, with zones of both positive and negative deflections at varying depths. The deflections are predominantly in a positive direction below 45 feet, negative between 45 and 33 feet, positive between 33 and 20 feet, negative between 20 and 13 feet, and positive again above a depth of 13 feet.

The peak deflection in each zone is generally about 0.2 to 0.3 inch, with a maximum deflection approaching 0.5 inch at the top of the pipe.

The "B" axis shows very small deflections below a depth of about 43 feet. Above 43 feet, the deflection profile is characterized by a roughtly linear increase to about 0.3 inch at the top of the pipe.

Figure B-6 is a plan view of the deflection measurements in Inclinometer 3. The predominant plane of back-and-forth lateral deflection is parallel to the dam axis, but an overall movement in the upstream direction is also apparent.

The irregular shape of the "A" axis deflection profile may be cause by compressional deformation of the pipe. An alternative explanation could be that various layers of rock are shifting independently from one another.

Figure B-7 shows the deflection for the various depth intervals plotted versus time. On this figure the trend is very similar to that shown for Inclinometer 2 on Figure B-4. Again, it appears that relatively small lateral ground movements occurred at the abutment during mining of Panel 6 in 2005, followed by larger deflections occurring during Panel 7 mining. As was the case with Inclinometer 2, the rate of deflection at Inclinometer 3 was very small during periods of limited or more distant mining activities, such as November-December 2005 and after August 2006.

The deflections measured at Inclinometer 3 are substantially smaller than those measured at Inclinometer 2; however, it should be noted that the bottom eight feet of Inclinometer 2 appear to be fixed in place, suggesting that the pipe may be anchored in a stationary stratum. By contrast, Inclinometer 3 shows deflections beginning at the deepest measurement interval (51 to 53 feet). This observation suggests that the bottom of the Inclinometer 3 pipe may not be anchored as the Inclinometer 2 pipe appears to be. The deflection measurements for this pipe could be relative to a non-stationary bottom point, and it may not be appropriate to interpret the deflections shown for Inclinometer 3 as absolute deflections.

2.2.4 Inclinometer 4

Inclinometer 4 was installed in February 2005 on the west rim of the reservoir upstream of the dam. This instrument is located immediately west of the roadway in the lower portion of an apparent slide mass. The pipe extends through approximately 37 feet of soil and penetrates about 30 feet into the underlying bedrock to a total depth of 67 feet. The positive "A" axis for this inclinometer is oriented in an easterly direction toward the reservoir. The positive "B" axis points downstream toward the dam.

Deflection profiles for Inclinometer 4 are shown on Figure B-8. The profile for the "A" axis exhibits a distinct down-slope displacement between the depths of 61 and 63 feet. Over time, the magnitude of this displacement has increased to approximately 0.3 inch. The maximum displacement is located at a depth of 59 to 60 feet, and the lateral displacement tends to decrease gradually coming up the pipe from that depth. This deflected shape suggests a discrete failure surface at a depth of about 62 feet, with a slight backwards rotation of the moving mass. The larger displacements shown in the upper 3 feet indicate that the top of the pipe is somewhat loose or influenced by shallow ground movement at the edge of the roadway.

The boring log recorded during installation of Inclinometer 4 shows that the bedrock above a depth of 64 feet is primarily mudstone. The log notes that clay seams were present in the mudstone core sample retrieved from a depth of about 61 to 64 feet. The log also shows sandstone below a depth of about 64 feet. Based on the boring log and the observed deflections, it appears that the slip surface is located within the mudstone layer with clay seams encountered immediately above the sandstone.

The "B" axis of Inclinometer 4 shows relatively small displacements, with the exception of the near-surface deflections in the upper 3 to 4 feet. The pipe appears to be anchored and stationary from depths of 79 to 63 feet, with a slight discrete deflection in the downstream direction between 63 and 61 feet. This deflection tends to reverse to the upstream direction between 41 and 43 feet. The deflections on the "B" axis tend to go

back and forth over time, and it is possible that the deflections shown are of a small enough magnitude to be within the accuracy limits of the instrument.

Figure B-9 shows a plan view of the Inclinometer 4 deflection measurements. Disregarding the outlying points at depths of 1 and 3 feet, the deflection is predominantly eastward down the slope and into the reservoir, as would be expected.

The deflection of Inclinometer 4 along the "A" axis is plotted versus time on Figure B-10. The same trend observed at Inclinometers 2 and 3 is also apparent at Inclinometer 4. One notable difference is that the deflections attributable to mining of Panel 7 appear to subside several months earlier (around June 2006) at Inclinometer 4, while they continue until about August in the west abutment area of the dam. The approximate zones of mining during which the most significant deflections occurred at Inclinometers 2, 3, and 4 are shown on Figure B-11. This different influence zone for Inclinometer 4 suggests that the slide mass monitored by Inclinometer 4 may be less sensitive than the west abutment area to smaller ground motions originating at a greater distance. Another possible explanation is that the displacements measured prior to June 2006 may have moved the slide mass into a more stable position, thereby increasing the threshold level for ground motions to cause significant displacements.

2.3 Piezometers and Observation Wells

The dam has been heavily instrumented with piezometers and observation wells to allow careful monitoring of any changes in seepage behavior. The locations of these instruments are illustrated on Figure 3, and the piezometer and well readings are summarized in Appendix C of this report.

As noted previously in this report, Observation Wells 1 and 4 and Piezometers 2, 3, 5, 6, and 7 were all installed in 1998. During the initial Mining-Induced Seismicity study (2005), it was noted that the historical readings from at least one of these instruments (Observation Well 1) were very erratic. Piezometers 8 through 14 were installed early in 2005 to verify the readings of the existing instruments and to allow monitoring at a greater number of locations and depths. After mining of Panel 7 was completed and inclinometers showed evidence of

displacement at the west (right) abutment, Piezometers 15 and 16 were installed at the right abutment to more closely monitor seepage at that location. It should be noted that some piezometer locations have two piezometer tips, with one tip located below the dam in the foundation material, and a shallower tip located within the embankment.

The water elevation in each piezometer is plotted versus time on Figure C-1. The tip elevation for each instrument is marked at the beginning of the plot. The water elevation in the reservoir on the date of each reading is also shown on this figure. From 1998 to 2004, water level measurements were generally recorded frequently during the summer months but very infrequently during the winter. As would be expected, the water level in the reservoir is typically at its highest in the spring of each year, with a slight drawdown occurring over the summer and into the fall months. It is notable that the reservoir is generally drawn down only 6 to 12 feet below the spillway elevation in the course of a year.

Figure C-1 shows that the water levels in the piezometers and observation wells generally rise and fall with the water elevation in the reservoir. The one exception is Observation Well 1 (OB-1), which had very erratic measurements from 1998 and 2004. Some effort was made to flush out this well in 2005. Readings since that time have been substantially less erratic, but still more irregular than those of the other instruments.

The general consistency of the water level readings, with seasonal fluctuations corresponding to the reservoir level, is indicative of consistent seepage conditions within the dam and foundation. No substantial or unusual changes in these water levels have been noted, despite the lateral displacements indicated by the inclinometers at the west abutment.

2.4 Seepage Monitoring Points

Seepage through the dam, foundation, and abutments is collected at three locations, including the toe drain connected to the dam's internal drainage system, a seepage collection system located on the east (left) abutment, and a collection pipe located on the west (right) abutment. The flows from the drains are measured by recording the time to fill a container of known volume with water from each collection point. The clarity of the water has also been

recorded during seepage readings. Clear seepage water indicates that the flow is adequately filtered and is not moving material through the dam or foundation. Cloudy seepage water could be a sign of internal erosion, which could lead to a piping-related failure of the structure.

The seepage flows from each drain are plotted along with the water surface elevation on Figure C-2 in Appendix C. From the figure it is apparent that the reservoir surface fluctuated between about elevation 7586 feet in the winter months to about elevation 7592.5 feet in the summer months in 2006 and 2007. The seepage rates measured at the drains appear to correlate with the reservoir water level, with the greater flows occurring during periods of higher water elevations in the reservoir.

The greatest flows were measured at the left abutment. The left abutment seepage collection system was constructed in November 2005 to collect water that was seeping through the left abutment and causing some instability of the overburden soils in this area. The seepage from this drain generally varied between about 10 and 20 gallons per minute.

The water in these drains was generally frozen in the winter months, and negligible flows were noted at these times. Flow rates ranging from about 2 to 6 gallons per minute were typically recorded during warmer periods.

2.5 Survey Points

West Ridge Mine contracted with Ware Surveying to provide surveys of points on the dam and the slopes west of the reservoir at various times throughout the monitoring program. The intent of these surveys has been to monitor movements of the slide areas and to verify that significant movements of the dam itself do not occur. Data obtained from the surveys is summarized in Appendix D of this report.

2.5.1 Survey Points on Hillside West of Reservoir

Figure D-1 shows the survey points located on the hillside slopes west of the reservoir. Points 1 through 14 form a rough line down the hillside in the slide area above the dam. Points 30 through 49 form a similar line for tracking movements of the hillside near the upper end of the reservoir. The coordinates surveyed for each point on six dates between September 2004 and May 2007 are shown on Table D-1.

The changes in the surveyed northing, easting and elevation coordinates for points 1 through 14 are plotted on Figures D-2a, D-2b, and D-2c, respectively. It will be noted from Figure D-2a that the uppermost points (Points 1 through 8) do not exhibit a clear trend of displacement in any particular direction. Point 1 shows a northerly displacement greater than one foot in the August 2005 survey, but returns to very near its original position in the following survey. The displacement of Point 1 shown in August 2005 is likely an error in the survey or in data tabulation.

The lower points on the hillside above the dam (Points 9 through 14) appear to have undergone northerly displacements in the order of 0.25 to 0.5 foot during the 2006 mining work. Figure D-2b shows that all of the points in the group above the dam experienced easterly displacements of about 0.6 to 1.2 feet during this same time period. Figure D-2c shows the same trend, with the elevations of the points decreasing by about 0.5 to 1.8 feet between August 2005 and October 2006. The change in elevations was more pronounced at the uppermost points, and generally decreased at points closer to the dam. All coordinates show substantially less movement during the last survey interval (October 2006 to May 2007) after mining of Panel 7 was essentially complete.

The changes in the surveyed northing, easting, and elevation coordinates for Points 30 through 49 are plotted on Figures D-3a, D-3b, and D-3c. The northing coordinates of these points show a tendency to move south during 2005 and into April of 2006, followed by a more northerly motion between April and October 2006. The changes in the northing coordinates are less than 0.5 foot. The easting coordinates are relatively stable

until the April to October 2006 interval, at which time most of these coordinates show an eastward shift ranging from about 0.4 to 0.7 feet. It is noted that the two lowest points on the slope (44 and 45) moved very little over this time interval, suggesting that the activated slide mass ends somewhere between points 43 and 44.

The elevations of points 30 through 49 show a general trend of downward displacement between December 2004 and October 2006, with the greatest movements typically measured over the last six months of this period. The total change in elevation coordinates ranged from almost a foot at the upper end of the group to less than 0.2 foot at the lower end. As was the case with Points 1 through 30, the coordinates of Points 30 through 49 show very little movement between October 2006 and May 2007, after mining of Panel 7 was complete.

2.5.2 Straight-Line Survey of Dam Crest

Appendix D also contains a description of straight-line surveys performed by Ware Surveying at the request of the mine (See Exhibit D-1). This survey work involved setting a monument on the east dam abutment to line up with a number of the instrumentation covers along the dam crest. Between May and December 2006, this line was surveyed at least monthly (more frequently between May 26 and August 11) to verify that none of the points on the dam crest moved downstream or upstream relative to the benchmark and the other points.

Beginning in December 2006, the horizontal distance from the benchmark to each of the points was also surveyed to check for displacements along the dam crest parallel to the dam's longitudinal axis. This straight-line survey effort has continued at approximately monthly intervals since that time. The locations of the straight-line survey points are identified with the prefix "MW" on Figure D-4 in Appendix D. A summary of surveyed distances through October 2007 is shown on Table D-2. No noticeable transverse movement has been identified over the time period that the straight-line survey has been performed. No significant longitudinal movement along the dam axis has been measured since the distance measurements were first recorded in December of 2006.

2.5.3 Settlement Monitoring Points on Dam Crest

The points labeled with the prefix "C" on Figure D-4 are settlement monuments embedded in the crest of the dam. The elevations of each of these points have been measured over time using a differential level survey. Surveys were performed once each year between July 2002 and August 2005. Four surveys of these points were performed between March 21 and May 30, 2006, when mining was occurring near the dam in Panel 7. Additional surveys were performed in August and September, 2006, and in October 2007.

The surveyed elevations of the monuments on the dam crest are tabulated on Table D-3 in Appendix D, and the differences in elevation using the July 2002 survey as a baseline are plotted on Figure D-5. This figure shows that most of the elevation differences were less than 0.05 foot. The points located on the westerly half of the dam (C-1, C-2, C-3, and C-4) nearest the mining activities appear to have undergone some vertical displacement. Slight upward displacements are evident during mining of Panel 6 in 2005, with more significant displacements noted during mining of Panel 7 in 2006. The points on the easterly half of the dam (C-5, C-6, and C-7) appear to have undergone very little vertical displacement during the survey period.

Of particular interest is the 0.2-foot (2.4-inch) vertical displacement measured at point C-2. Most of this displacement was measured during mining of Panel 7. Point C-2 is located near Inclinometer 2, which measured approximately 3.5 inches of lateral displacement toward the maximum section of the dam. It would appear based on these data that the west end of the dam was pushed slightly upward and to the east as mining was performed near the dam.

3 SUMMARY AND CONCLUSIONS

This section provides a brief summary of the findings of the monitoring data described in the previous section, and presents several conclusions that may be drawn based on this data. It should be noted that mining in the West Ridge Mine continues to occur, along with regular monitoring of impacts at the reservoir site. The current mining is at a much larger distance from the dam than Panels 6 and 7, but the distance between the reservoir and active mining areas is expected to decrease over the next several years. Data collected during this future mining will likely lead to some refinement of the conclusions presented below.

3.1 Mining-Induced Ground Motions at Grassy Trail Reservoir

The longwall mining operation performed in Panels 6 and 7 resulted in ground motions detected on the hillside west of the dam, as well as on the crest of the dam itself. The recorded mining-induced ground accelerations at the dam were relatively small during mining of Panel 6, and increased substantially during mining of Panel 7. The number of mining-induced events detected by instrumentation at the reservoir also increased substantially during Panel 7 mining. The increase in the number of events and the recorded acceleration levels appears to be strongly connected to the increased proximity of mining. There appears to be a lag of a few weeks up to several months between the time period of closest-proximity mining and the time of maximum mining-induced ground motions at the reservoir.

It was also noted that the earthquake magnitudes reported by the University of Utah during mining of Panel 7 were substantially larger (up to a magnitude of 2.6) than those reported during the mining of Panel 6 (maximum magnitude of 2.0). During a review meeting following the mining of Panel 7, it was suggested that as adjacent panels are mined, the potential area that can collapse at a given time becomes larger. When a panel is mined adjacent a previously mined panel, there is potential for collapse in both the first and second panels, increasing the width of mined area that could collapse at a given time. Collapse of a wider area would release more energy and be detected as a larger-magnitude event.

The larger area of mined space may have contributed to the larger events recorded during Panel 7 mining. The increase in event magnitudes from Panel 6 to Panel 7 may also be related to variations in cover depth, geologic features, mining practices, lag time in collapse of the mine roof behind the longwall operation, and/or other factors. It is interesting to note that, according to the Panel 7 mining dates shown on Figure 5, the distance mined during February 2006 was only about 75 percent of the distances mined in both January and March 2006. The apparent change in the rate of mining may have somehow contributed to the larger magnitude event reported on March 11. The slower mining rate in February could also indicate the presence of a geologic anomaly that may have affected the event magnitudes in this area. Determining the most likely causes of the larger-magnitude events during Panel 7 mining is beyond the scope of this report; however, the increased event magnitudes undoubtedly contributed to the larger ground motion values recorded at the dam site.

The August 2005 Mining-Induced Seismicity Study used an attenuation relationship developed by McGarr and Fletcher (2004) to estimate the potential range of ground accelerations for mining-induced events near Grassy Trail Reservoir. The March 11, 2006 event of magnitude 2.6 was likely caused by collapse of the mine ceiling over the area mined in the previous weeks and months. It is our understanding that the area of Panel 7 nearest the dam was mined in February and March of 2006. The estimated hypocentral distance from the nearest mined area to the hillside ground motion instrument during this time ranges from about 1700 to 2200 feet. For a magnitude 2.6 event occurring within this range of distances, the McGarr-Fletcher equation predicts peak ground accelerations in the order of 0.05 to 0.1g.

For the March 11, 2005 event, the McGarr-Fletcher relationship under predicts the recorded ground motion at the dam site by a factor ranging from 3 to 7. This discrepancy does not necessarily indicate that the attenuation equation is not a useful tool for predicting ground motions at the West Ridge / Grassy Trail site. In fact, McGarr and Fletcher noted that only 68% of the peak acceleration data from which the equation was developed were within a factor of 3 of the values predicted by the equation. Considering the scatter in the Trail Mountain data used to develop the equation, along with the differences in conditions at Trail Mountain compared to conditions at West Ridge, the under prediction of the March 11, 2006

acceleration value is not surprising. However, this case does underscore the importance of using caution and judgment in any efforts to predict ground motions.

3.2 Permanent Ground Deformations at Grassy Trail Reservoir

3.2.1 Grassy Trail Dam Embankment and Abutments

The inclinometer located at the left (east) abutment did not show substantial deflections as a result of the mining-induced ground motions. The inclinometers at the right (west) abutment did measure deflections. Inclinometer 2 extends through the embankment and into the foundation, and lateral deflection of up to 3.5 inches has been recorded in a direction parallel to the dam axis moving away from the west abutment. The 3.5-inch deflection does not occur at a discrete depth as would be expected where a defined failure surface exists. Instead, the deflection occurs gradually between depths of about 120 and 66 feet. Inclinometer 3 is located in the west abutment and shows both positive and negative deflections in different depth zones. The maximum deflection magnitude measured in this inclinometer is about 0.4 inch. The unusual deflection profile may be indicative of compressional forces on the inclinometer pipe. It is possible that the bottom of this pipe is not fixed into stationary material, and the actual deflections may be substantially different than the deflections relative to the bottom of the pipe as shown on the inclinometer profiles.

Both Inclinometers 2 and 3 exhibited some deflection during mining of Panel 6, with the deflection rate decreasing as mining moved farther away to the north and west of the dam. Deflection rates near the end of Panel 6 mining (Nov-Dec 2005) were minimal. The deflections began to increase as mining began in Panel 7, with the peak deflection rates occurring in the weeks and months following mining at the closest distance from the dam. The deflection rate decreased substantially as mining in Panel 7 moved away from the dam in the latter part of 2006; however, there is some evidence of very slight deformations continuing into the following year.

The displacements measured at Inclinometers 2 and 3 are predominantly directed along the dam axis toward the maximum section of the dam. The earthfill dam embankment has a buttressing effect on motions in this direction, and deflections in this direction are of somewhat less concern, with respect to embankment stability, than deflections indicating movement perpendicular to the dam axis.

Settlement monument C-2, near the west end of the dam, showed slight signs of upward movement during Panel 6 mining, followed by more significant upward movement during mining of Panel 7. The monument elevation has increased about 2.4 inches. This observation, along with the observed lateral movement of 3.5 inches, suggest that movement in the west abutment area has pushed the west abutment several inches upward and toward the east.

The straight-line survey work conducted beginning in May 2006 has reported no evidence of lateral movement of the dam crest in an upstream or downstream direction. The surveys of horizontal distances along the dam crest have not shown significant longitudinal movement along the dam crest since these distances were first surveyed in December 2006.

Concern has been expressed that the lateral movements measured along the dam axis at the left abutment may result in zones of tensional forces having a tendency to open up internal cracks in the dam and/or foundation. This is a valid concern, as seepage through such cracks could cause internal erosion and further open the cracks, resulting in progressively larger seepage through the dam and potential piping-type failure.

Several factors help diminish the likelihood of increased internal erosion developing in the areas of recorded lateral deformations. As noted in the August 2005 Mining-Induced Seismicity Report, the dam embankment materials are predominantly lean clay, clayey sand, and clayey gravel, and our investigations have found that the soils in the outer downstream zone are similar to those in the central core of the dam. The foundation soils also contain significant percentages of clay and silt, and the near-surface bedrock is predominantly shale with some weathered sandstone. The clayey embankment and foundation soils, as well as the shale bedrock, have self-healing characteristic. Small cracks in these materials tend to fill in with the surrounding material, reducing the

potential for piping through such cracks. The cumulative deflection measured in Inclinometer 2 appears to occur gradually over a significant depth interval (about 50 to 60 feet), suggesting that tensile strains and resulting cracks at a given depth would be relatively small despite the cumulative deflection being of considerable magnitude.

The piezometer and drain measurements to date have not shown evidence of changes in seepage behavior through the dam, including the west abutment area. The water in the drains has been clear, and no reports of cloudy or discolored water indicative of internal erosion have been made. The dam appears to have performed well to date despite the measured lateral movement at the west abutment, and the dam and foundation materials are somewhat resistant to piping through small tensile cracks. Continued monitoring will be critical to verifying the long-term performance of the dam, and recommendations for future monitoring are outlined in Section 4 of this report.

3.2.2 Slide Areas on Hillside West of Reservoir

Inclinometer 4, located upstream of the dam on the west rim of the reservoir, has shown discrete deflections of up to 0.3 inch at a depth of about 62 feet below the ground surface. Very slight deflections were measured at this depth during mining of Panel 6, but the large majority of this deflection occurred between February and June of 2006, when mining in Panel 7 was closest to the inclinometer. Measurements recorded since June 2006 suggest that this slide area has been much more stable since that time.

Points surveyed on the hillside west of the reservoir indicated substantial downslope movement (approaching 2 feet at some locations) during mining of Panel 7. These areas appeared to experience much less movement once mining of Panel 7 moved well away from the dam. These slides may become more active as future mining activities approach the reservoir and mining-induced ground motions again increase at the site. It should also be noted that increases in slide movement could occur due to other factors – such as above-average precipitation and changes in the moisture conditions in the hillside – that are entirely unrelated to the mining activities.

4 RECOMMENDATIONS

It is apparent from the data collected that mining activities in West Ridge Mine have caused mining-induced seismic events, and that ground motions caused by these events are detectable at Grassy Trail Dam and Reservoir. These ground motions have caused some measurable permanent deformations of the ground surface on the hillside west of the reservoir, as well as lateral deformations at the west end of the dam. Despite the recorded deformations, the dam appears to be performing well, and ongoing deformations have been very small since mining of Panel 7 concluded in the fall of 2006.

The inclinometers suggest that slight deformations (creep) may be ongoing at the dam's west abutment. Continued monitoring of these inclinometers is recommended to verify that the rate of this movement does not increase. Regular monitoring of piezometers and seepage collection points is also recommended to verify that the recorded lateral movements do not result in increased seepage and/or internal erosion of the dam. This monitoring is critical to ensure adequate long-term performance of the dam and the safety of people and facilities located downstream.

A meeting was held in November 2006 to review the data collected during the mining of Panel 7. The monitoring schedule developed in this meeting is included for reference as Exhibit E-1 in Appendix E of this report.

A meeting was held in October 2007 with representatives of the Utah State Dam Safety Office, the Bureau of Land Manage, the Utah Division of Oil, Gas, and Mining, East Carbon City, Sunnyside, City, West Ridge Mine, RB&G Engineering, and others in attendance. Based on this meeting and subsequent communication between the State Dam Safety Office, West Ridge Mine, and RB&G Engineering, the monitoring schedule included as Exhibit E-2 in Appendix E of this report was adopted until further notice. It is anticipated that the parties involved will meet yearly while mining continues, in order to review the monitoring data and update the monitoring schedule as needed. The frequency of monitoring may be increased at any time as dictated by unexpected changes in the monitoring data.

As noted in Exhibit E-2 in Appendix E, we will continue to perform daily reviews of the data on the UUSS web site. If an event of magnitude greater than 3.0 is reported within 5 miles of the dam, thorough site reconnaissance and reading of the ground motion instruments will be performed within 24 hours. Reading of all other instrumentation (inclinometers and piezometers) will also be performed if any recorded ground acceleration exceeds 0.2g.

The data collected to date can increase our understanding of the effects of mining-induced seismicity, and continued monitoring will supplement this database. Detailed reviews and analyses of these data may be performed to develop predictive relationships for use in future studies and planning. In particular, the data recorded at Grassy Trail Reservoir can be compared to the McGarr-Fletcher attenuation relationship that was developed based primarily on mining in the vicinity of Joe's Valley Reservoir. Refinement of the McGarr-Fletcher relationship may be possible, or a different site-specific relationship could be developed for the West Ridge / Grassy Trail location. In any case, it should be noted that the accelerations recorded at a given location are likely a function of many unknown and/or poorly understood site-specific factors, and attenuation relationships should be used to predict ground motions only with a great deal of caution and judgment.

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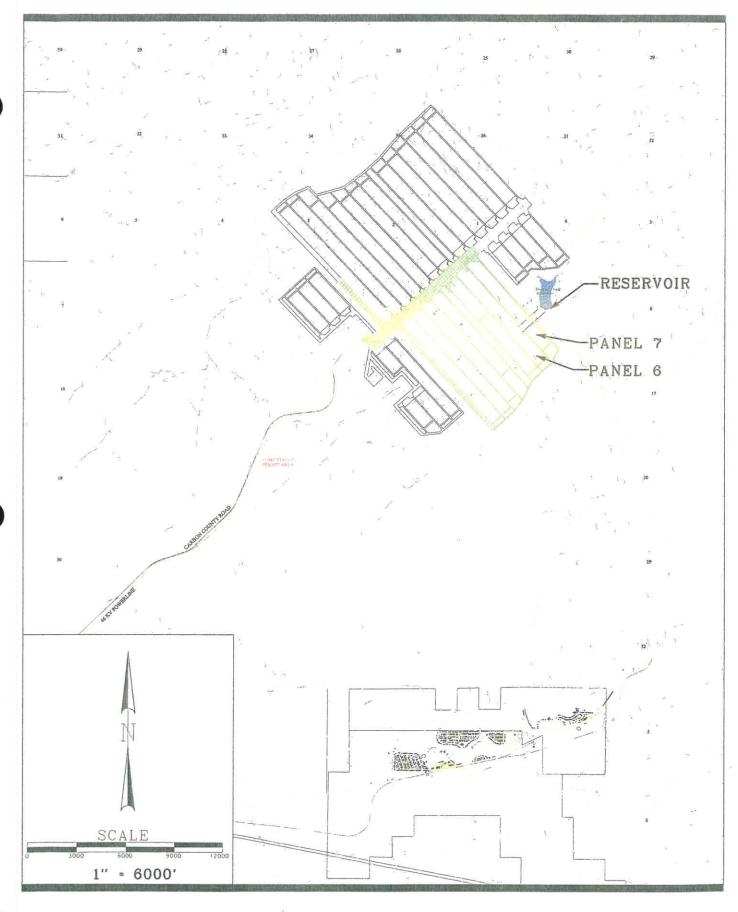
Arabasz, W.J., J. Ake, M.K. McCarter and A. McGarr (2002). Mining-induced seismicity near Joes Valley Dam: summary of ground-motion studies and assessment of probable maximum magnitude, Technical Report, University of Utah Seismograph Stations, Salt Lake City, Utah, Accessible online at www.seis.utah.edu/Reports/sitla2002b.

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RB&G Engineering, Inc. (2005). Mining-Induced Seismicity Near Grassy Trail Dam and Reservoir.



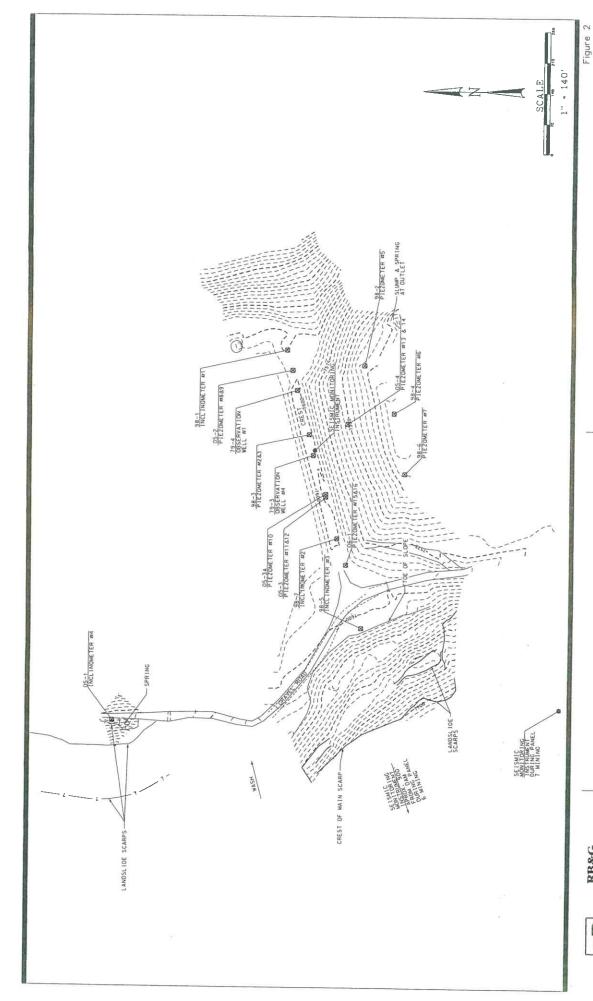


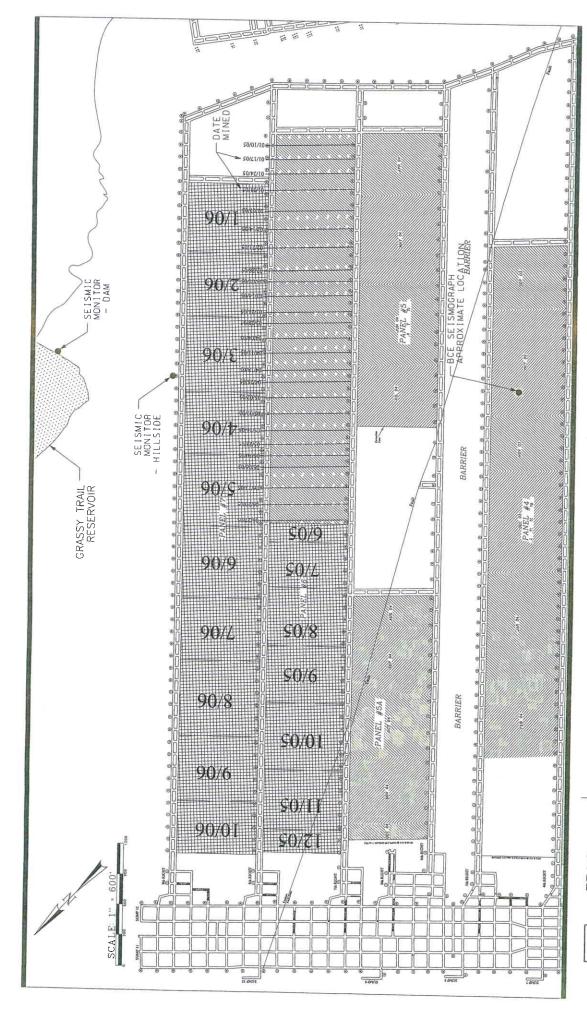
RB&G
ENGINEERING
INC.
Provo. Utan

Figure 1

WEST RIDGE MINE PROJECT AREA



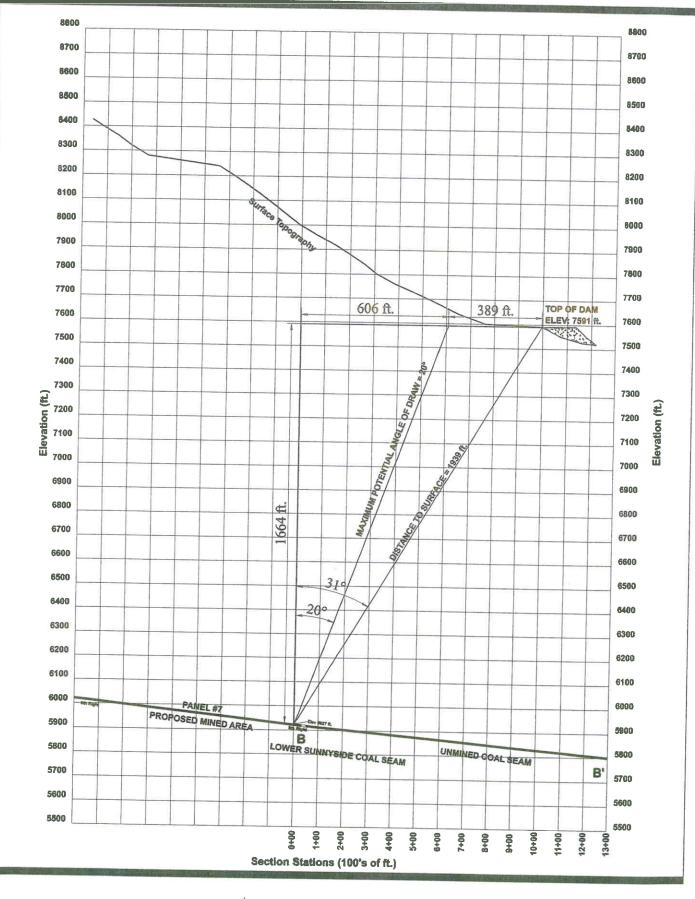




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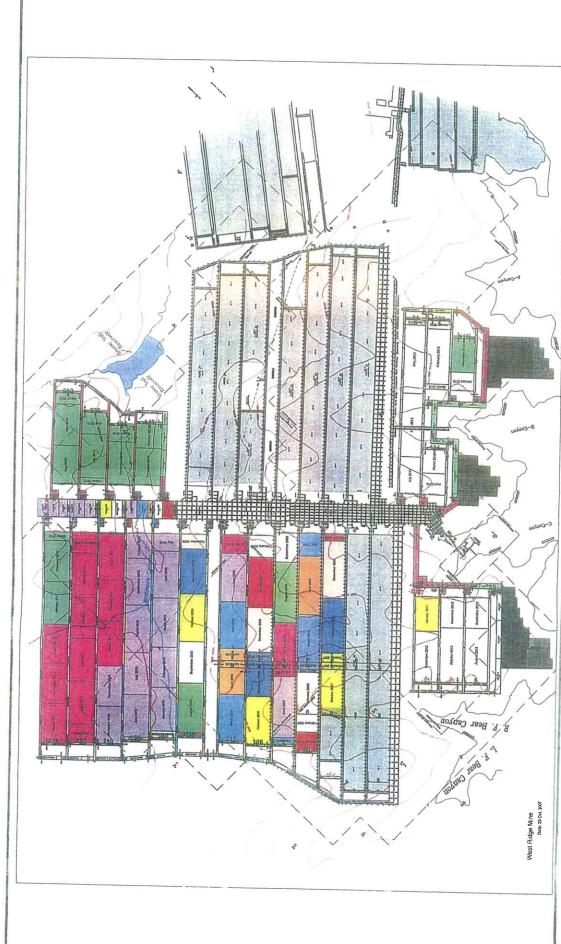






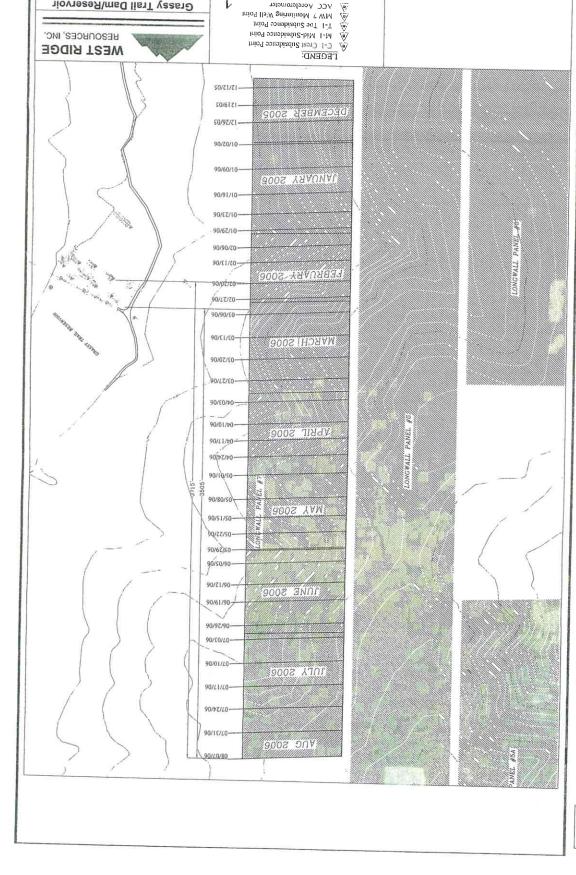
RB&G ENGINEERING INC. Provo. Utah Figure 4

CROSS SECTION THROUGH PANEL 7 AND GRASSY TRAIL DAM









Mined Area

ACC Accelerameter

trioq Ila'W gainotinoM 7 WM

DATE: 08-07-06 Scale:

Subsidence Control Points

Grassy Trail Dam/Reservoir

.008

Appendix A

Table A-1
Monthly Summary of Ground Motions

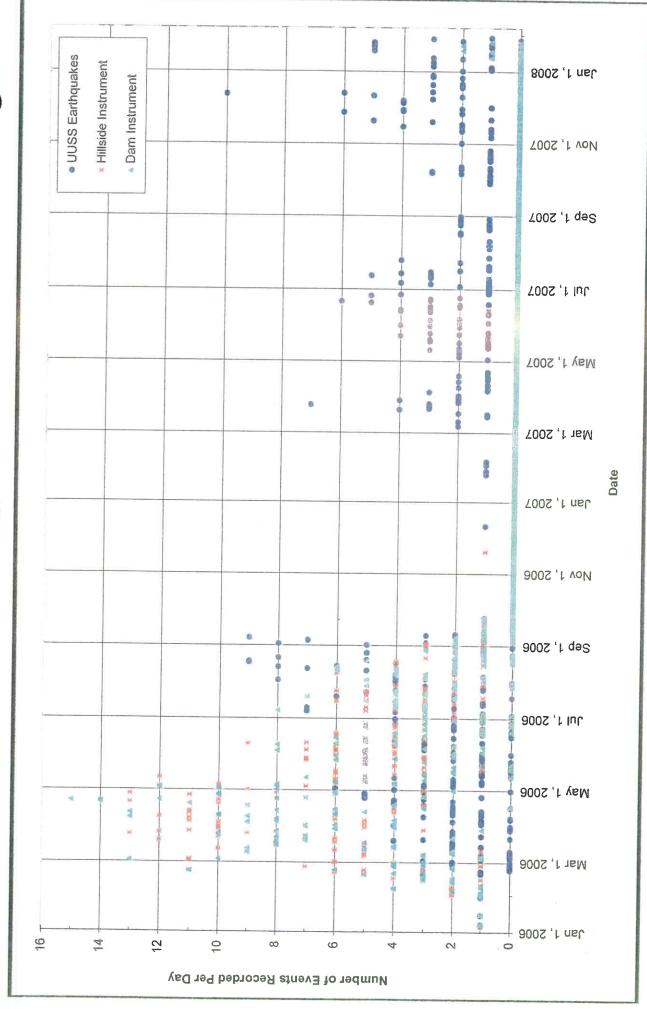
	Device on Dam				Device on Hillside				UUSS Earthquakes	
Month	No. of Events	Max Per Day	Max PPV (mm/s)	Max Accel. (g)	No. of Events	Max Per Day	Max PPV (mm/s)	Max Accel. (g)	No. of Events	Max Magnitude
Jan 2005	0			***	5	3	1.10	0.015		
Feb 2005	0				30	5	1.49	0.018	0	4.7
Mar 2005	1	1	1.25	0.007	61	6	2.17	0.010	4	1.7
Apr 2005	10	2	1.25	0.012	84	7	1.61	0.020	1	1.7
May 2005	10	2	1.47	0.010	124	14	3.10		5	1.8
Jun 2005	4	2	2.00	0.010	72	7	3.87	0.025	2	2.0
Jul 2005	0			5.510	20	5		0.032	5	1.6
Aug 2005	28	3	3.26	0.028	56	5	1.20	0.018	2	1.6
Sep 2005	43	4	3.44	0.028	72		4.75	0.027	30	1.9
Oct 2005	3	1	1.71	0.018		5	4.92	0.027	36	1.9
Nov 2005	0			0.017	13	3	1.48	0.018	4	1.6
Dec 2005	2	1	0.083	0.040	n/a	removed for re-calibration			8	1.6
Jan 2006	20	3	1.90	0.018	n/a	device moved to new location		2	1.7	
Feb 2006	71	11		0.015	20	3	2.16	0.015	4	1.7
Mar 2006	183		5.84	0.058	81	11	9.75	0.091	10	2.2
		13	30.4 *	0.268	223	13	33.1 *	0.348	44	2.6
Apr 2006	228	15	20.7	0.182	235	14	17.5	0.159	69	2.1
May 2006	130	12	13.3	0.113	165	12	14.8	0.108	46	2.4
Jun 2006	90	8	8.80	0.075	118	9	7.30	0.099	61	2.0
Jul 2006	93	8	5.59	0.048	98	7	4.40	0.035	77	2.1
Aug 2006	72	6	2.15	0.020	64	6	2.15	0.018	110	1.9
Sep 2006	16	2	2.05	0.018	17	3	1.19	0.083	44	1.9
Oct 2006	0				0				0	
Nov 2006	0				1	1	0.752	0.010	0	
Dec 2006	0				0				1	1.3
Jan 2007	0				0				2	1.6
Feb 2007	0				0				1	1.5
Mar 2007	0				0				40	2.0
Apr 2007	0				0				17	1.6
May 2007	0				1	1	2.50	0.020	41	1.9
Jun 2007	n/a	errors			1	1	1.05	0.010	61	2.0
Jul 2007	n/a	removed for re-calibration			1	1 +	0.902	0.008	47	2.3
Aug 2007	n/a			***	1	1	0.074	0.010	23	1.6
Sep 2007	n/a				0			0.010	1	1.7
Oct 2007	n/a				0				24	
Nov 2007	0				n/a	removed	for re-calib	ration		1.8
Dec 2007	0	;			n/a		TOT TE-CAIL	rauUII	45	2.1
Jan 2008	7	1	2.98	0.027	n/a	remo	ved for rep		59	2.1
				0.021	11/2	101110	ved ior rep	all	35	2.4

Notes:

Max. PPV = Maximum Peak Vector Sum Particle Velocity Recorded During the Month

Max. Accel. = Maximum Peak Acceleration Recorded During the Month

* PPV value greater than range limit (31.7mm/s). Value shown may be lower than actual PPV

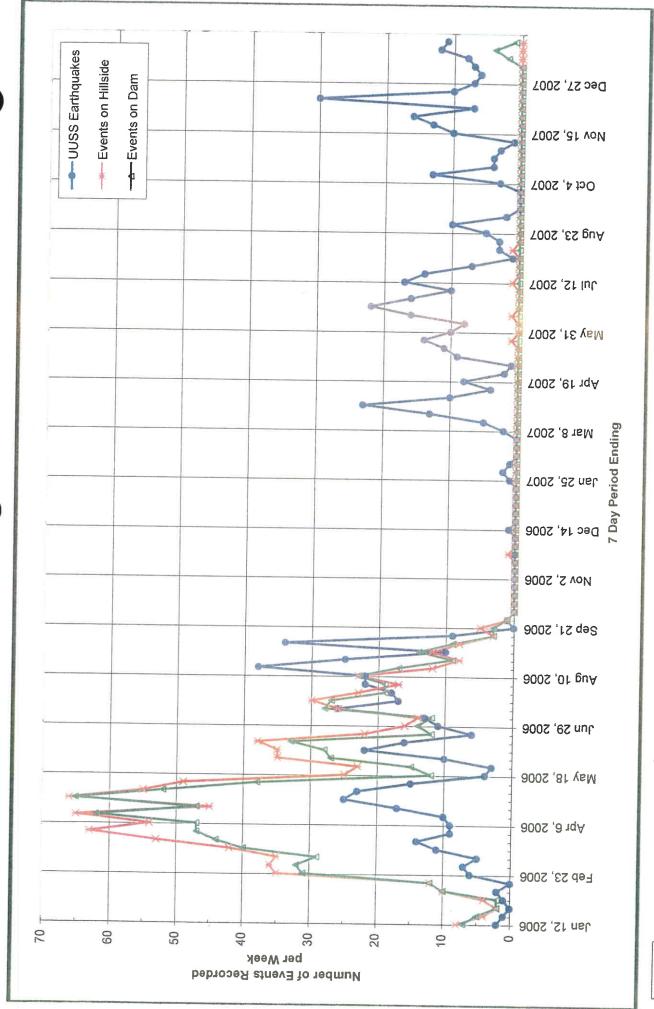




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FIGURE ,

NUMBER OF EVENTS RECORDED PER DAY (SINCE JAN 1, 2006) GRASSY TRAIL DAM - CARBON COUNTY, UTAH



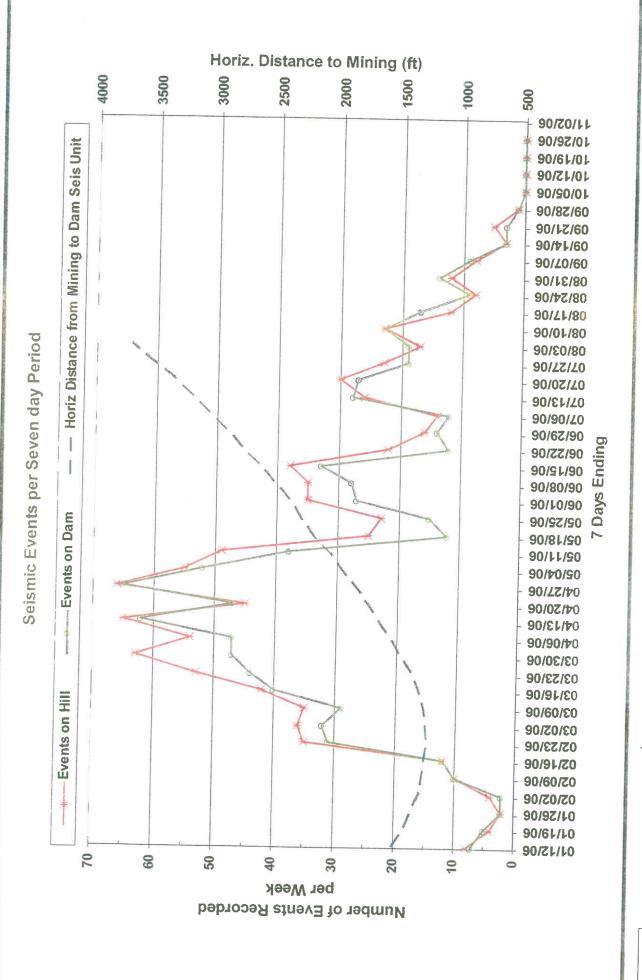


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FIGURE

NUMBER OF EVENTS RECORDED PER WEEK GRASSY TRAIL DAM - CARBON COUNTY, UTAH



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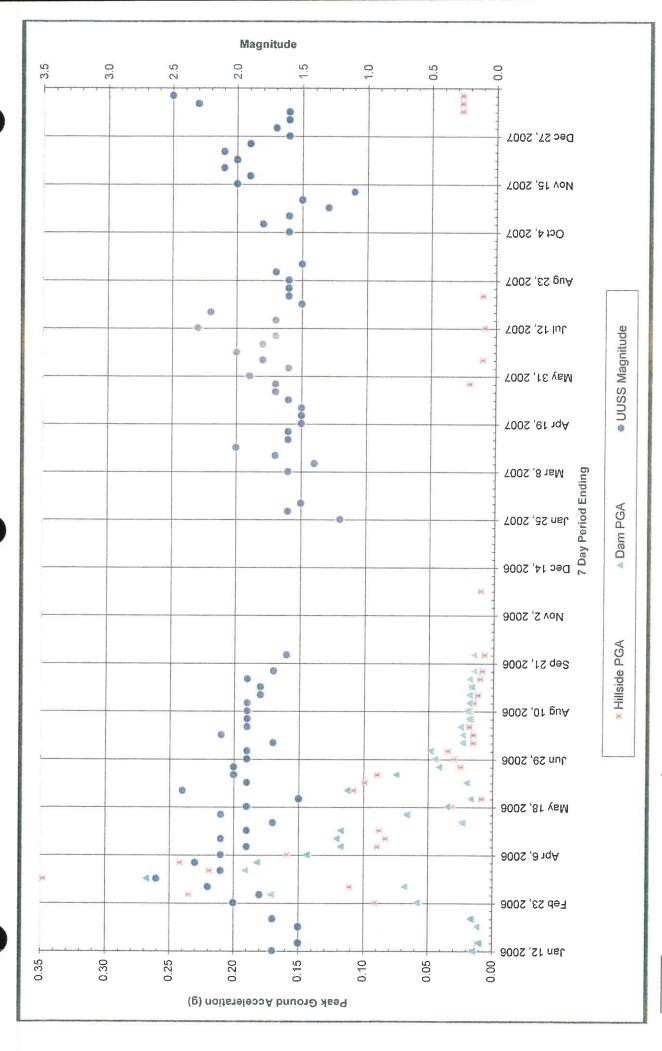


EVENTS PER WEEK AND PROXIMITY TO MINING DURING 2006

A-3

FIGURE

GRASSY TRAIL DAM - CARBON COUNTY, UTAH



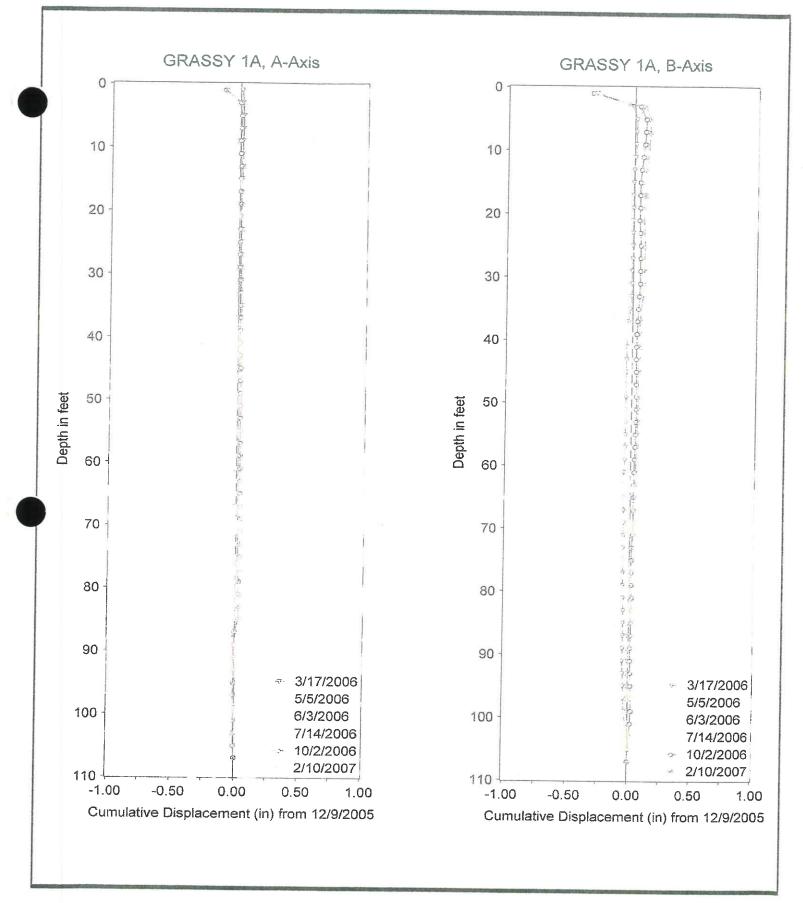


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FIGURE A-4

PEAK GROUND ACCELERATIONS AND EVENT MAGNITUDES VERSUS TIME GRASSY TRAIL DAM - CARBON COUNTY, UTAH

Appendix B



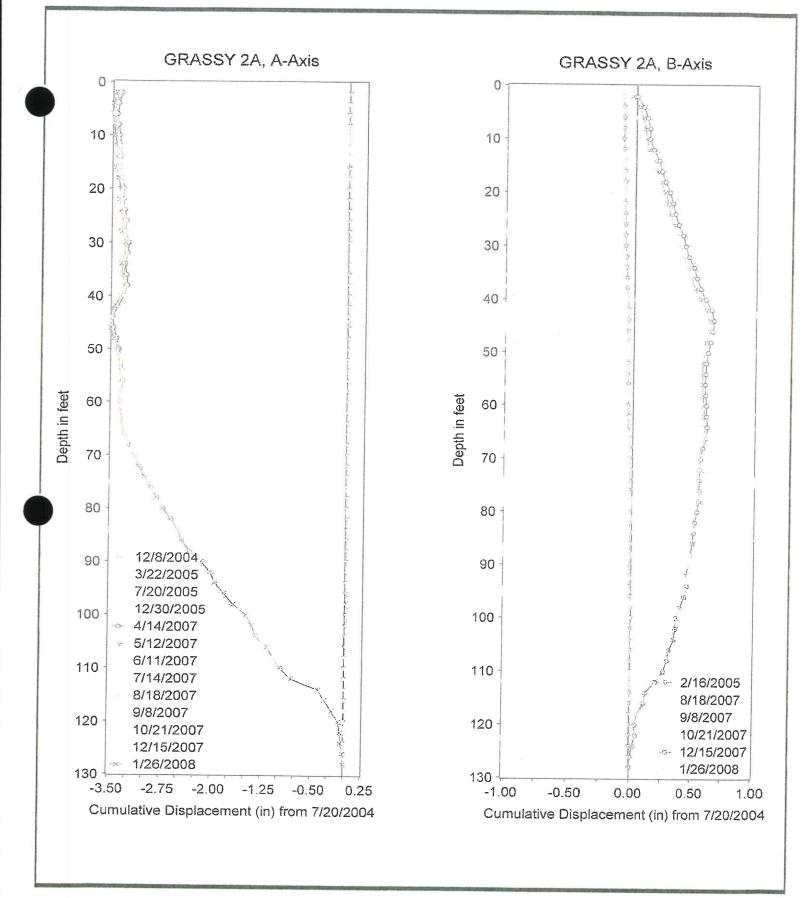


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FIGURE B-1

INCLINOMETER 1 - DEFLECTION PROFILES
GRASSY TRAIL DAM AND RESERVOIR - CARBON COUNTY, UTAH





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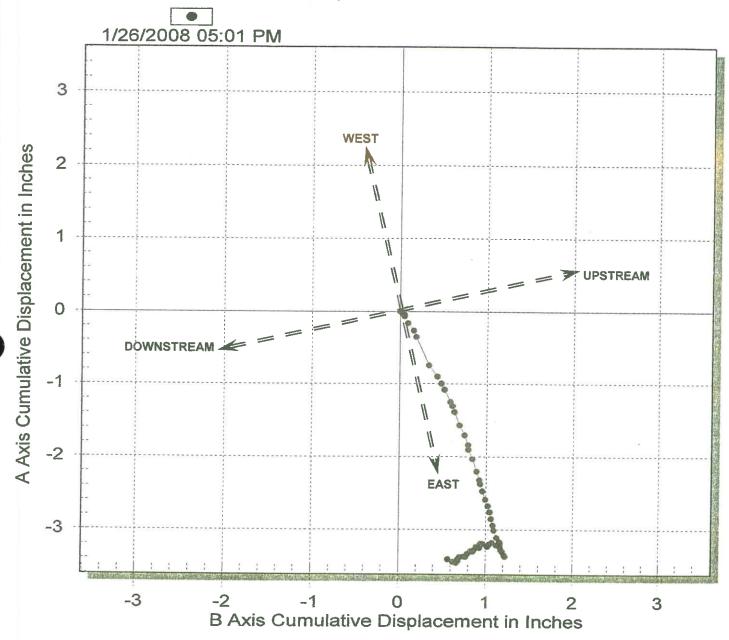
FIGURE

B-2

INCLINOMETER 2 - DEFLECTION PROFILES
GRASSY TRAIL DAM AND RESERVOIR - CARBON COUNTY, UTAH

GRASSY:2A - A Axis vs B Axis

Initial survey: 7/20/2004 09:33 AM



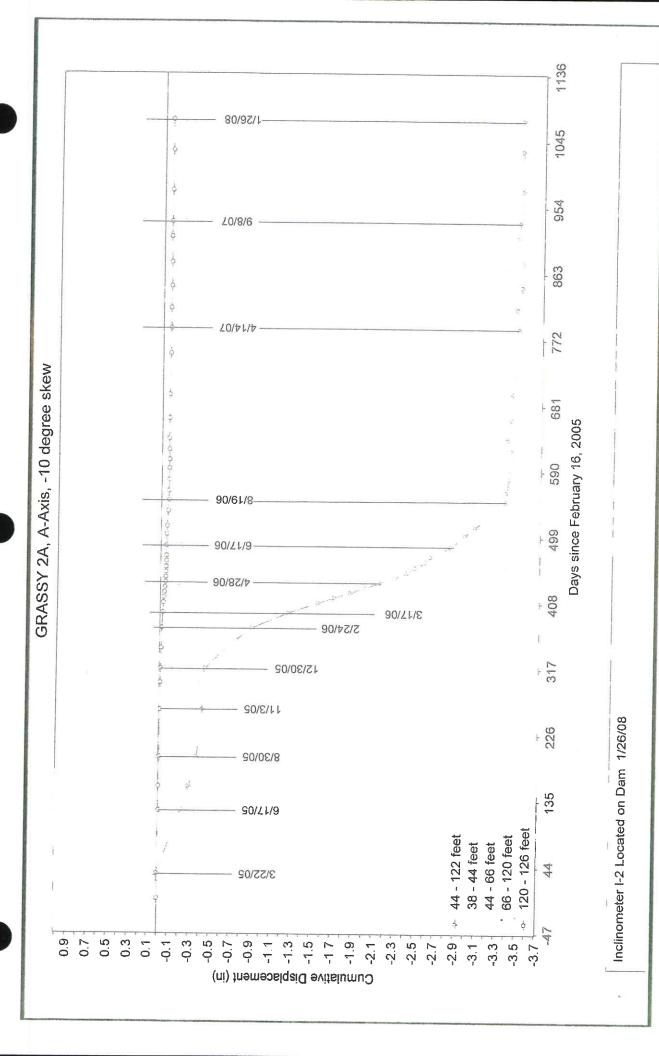


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FIGURE B-3

INCLINOMETER 2 - PLAN VIEW OF DEFLECTIONS
GRASSY TRAIL DAM AND RESERVOIR - CARBON COUNTY, UTAH



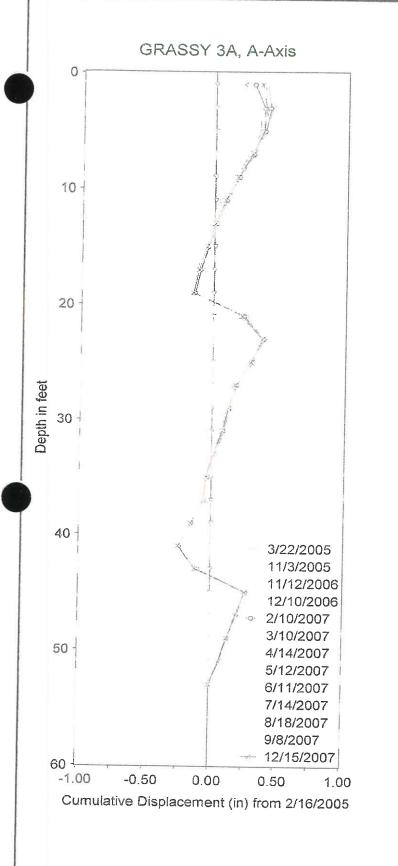
FIGURE

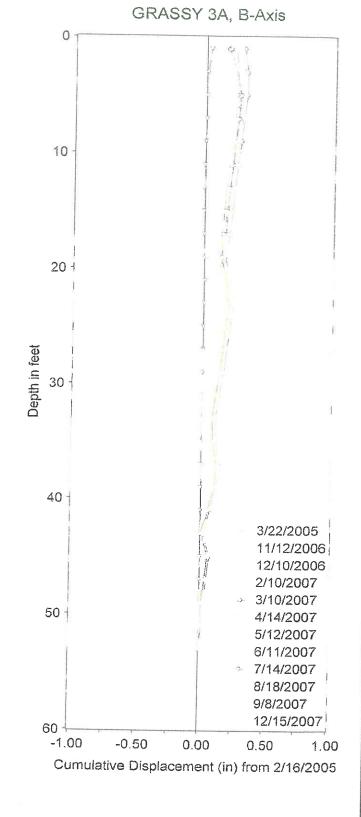
INCLINOMETER 2 - DEFLECTIONS VERSUS TIME GRASSY TRAIL DAM - CARBON COUNTY, UTAH



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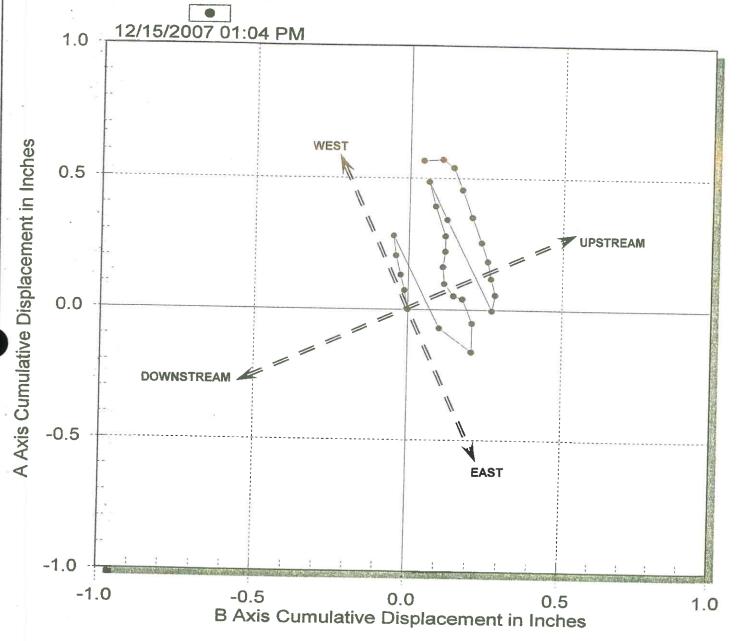
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FIGURE B-5

INCLINOMETER 3 - DEFLECTION PROFILES
GRASSY TRAIL DAM AND RESERVOIR - CARBON COUNTY, UTAH

GRASSY:3A - A Axis vs B Axis

Initial survey: 7/20/2004 09:03 AM



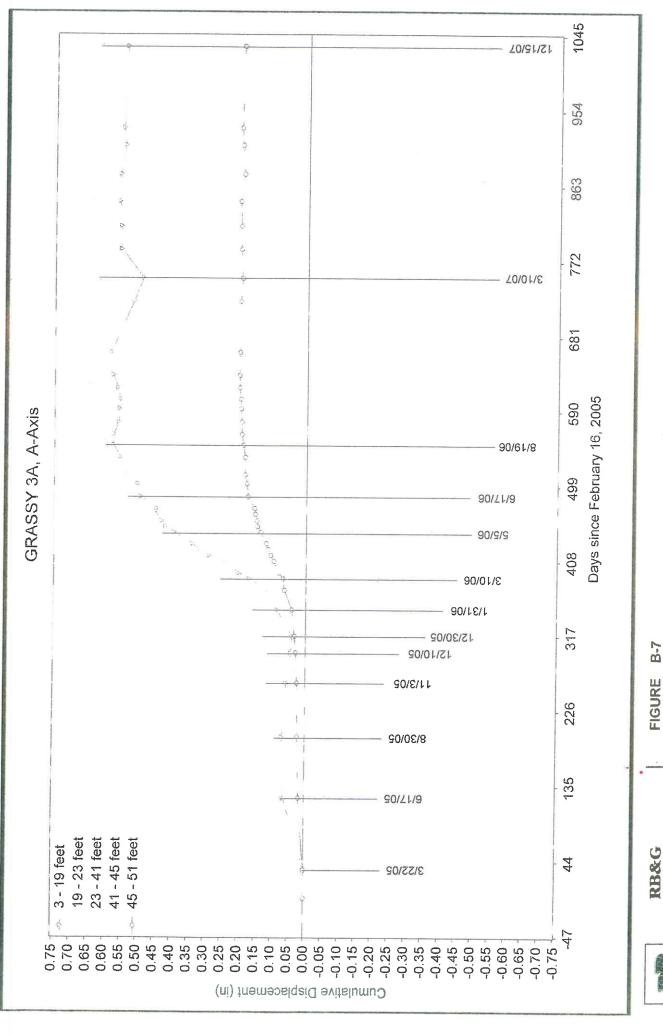


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FIGURE B-6

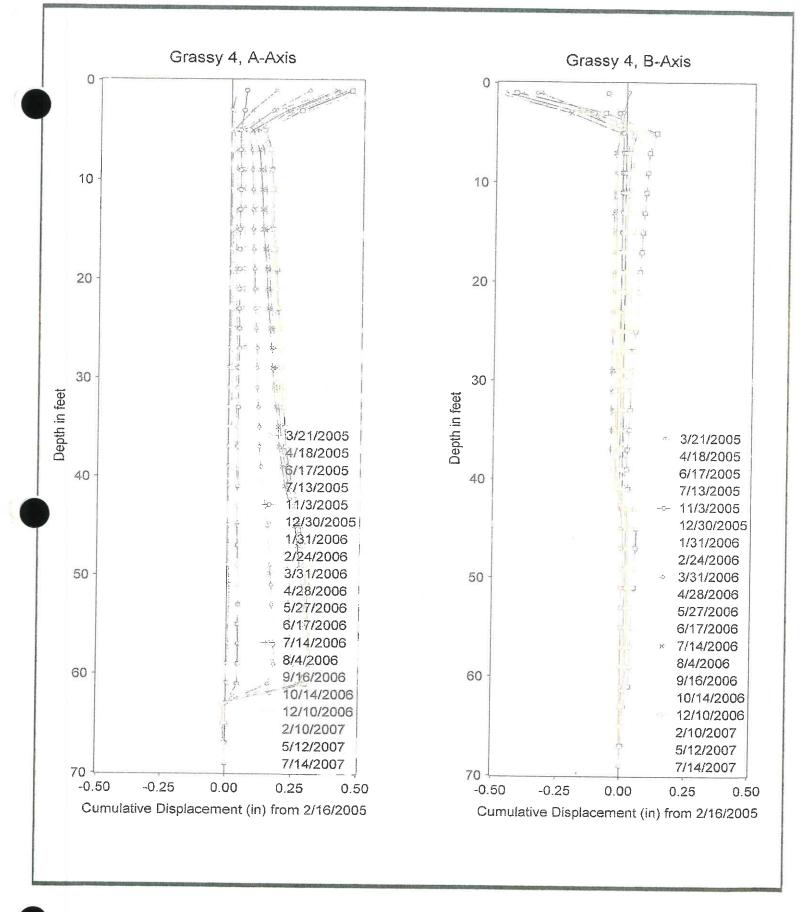
INCLINOMETER 3 - PLAN VIEW OF DEFLECTIONS
GRASSY TRAIL DAM AND RESERVOIR - CARBON COUNTY, UTAH





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B-7 FIGURE INCLINOMETER 3 - DEFLECTIONS VERSUS TIME GRASSY TRAIL DAM - CARBON COUNTY, UTAH





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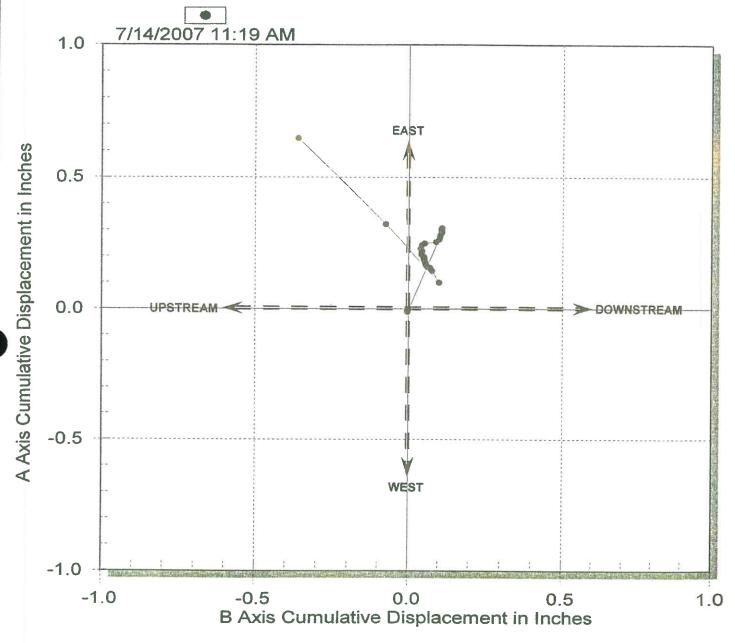
PROVO, UTAH

FIGURE B-8

INCLINOMETER 4 - DEFLECTION PROFILES
GRASSY TRAIL DAM AND RESERVOIR - CARBON COUNTY, UTAH

Grassy:4 - A Axis vs B Axis

Initial survey: 2/16/2005 05:37 PM



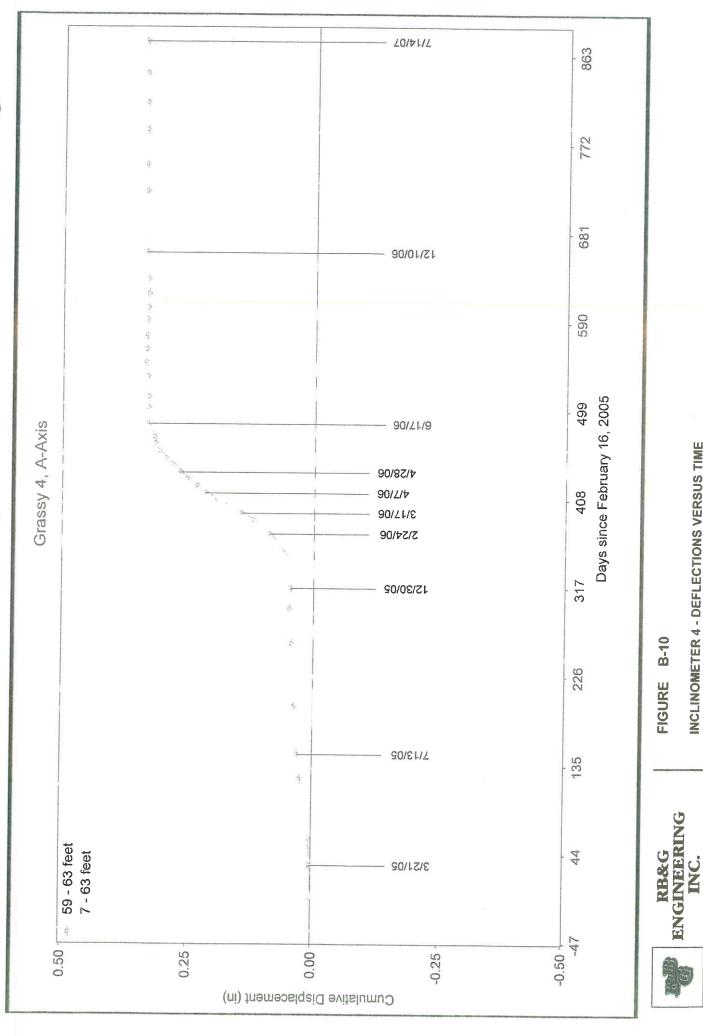


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FIGURE B-9

INCLINOMETER 4 - PLAN VIEW OF DEFLECTIONS
GRASSY TRAIL DAM AND RESERVOIR - CARBON COUNTY, UTAH





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INCLINOMETER 4 - DEFLECTIONS VERSUS TIME GRASSY TRAIL DAM - CARBON COUNTY, UTAH

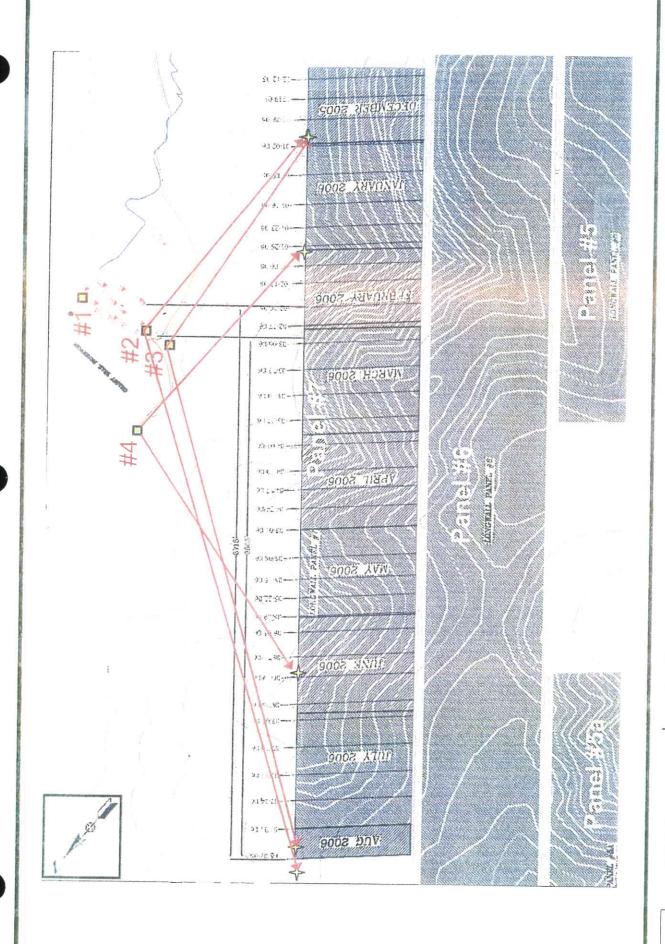


FIGURE B-11

APPROXIMATE ZONES OF SIGNIFICANT MINING-INDUCED DEFLECTION GRASSY TRAIL DAM - CARBON COUNTY, UTAH



PROVO, UTAH

Appendix C

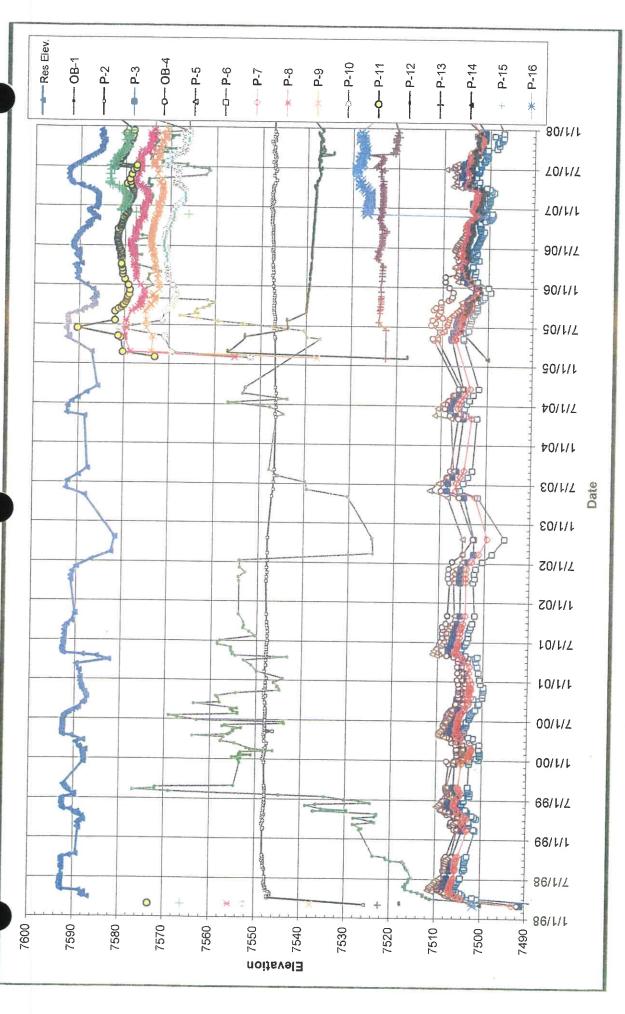


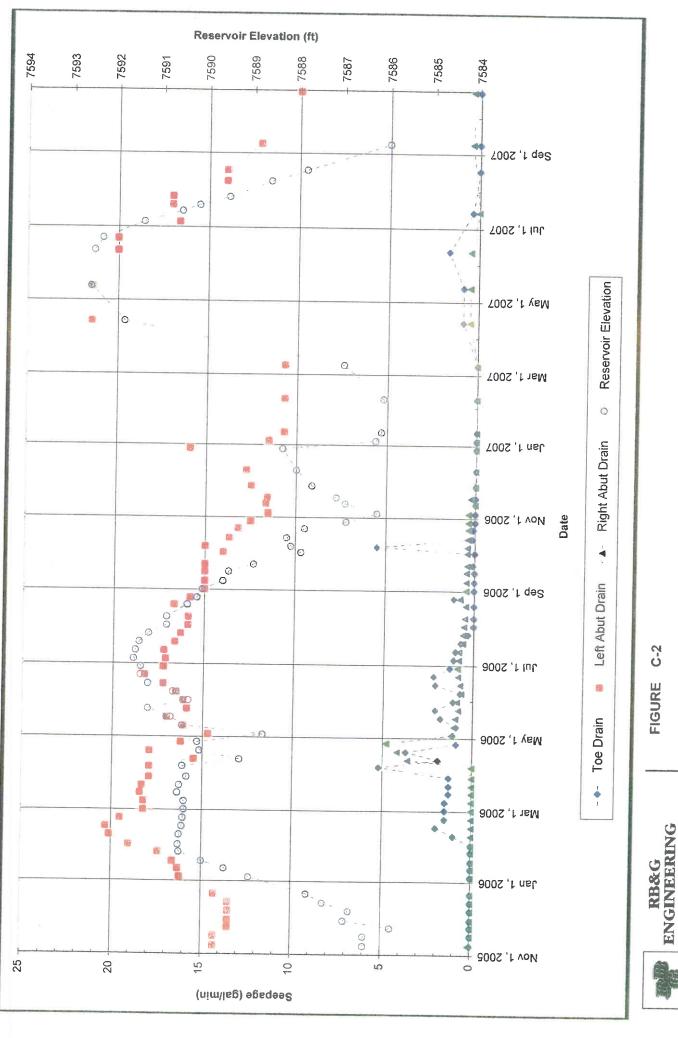
FIGURE C-1

WATER LEVELS VERSUS TIME GRASSY TRAIL DAM - CARBON COUNTY, UTAH



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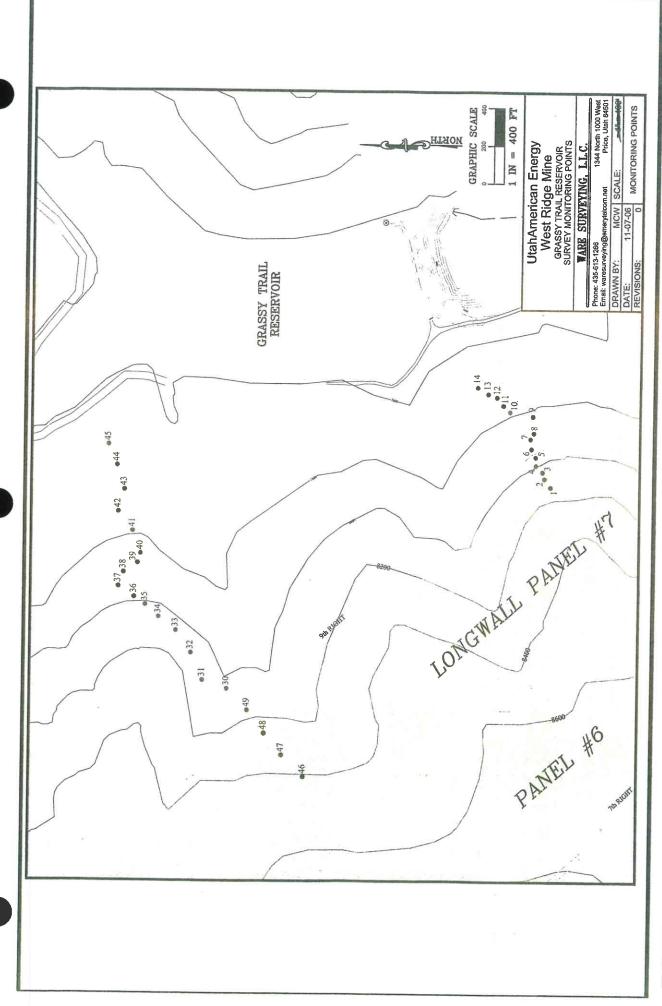


C-2 FIGURE SEEPAGE MEASUREMENTS VERSUS TIME GRASSY TRAIL DAM - CARBON COUNTY, UTAH



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Appendix D





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FIGURE D-1

HILLSIDE SURVEY POINT LOCATIONS GRASSY TRAIL DAM - CARBON COUNTY, UTAH

TABLE D-1 SURVEYED COORDINATES OF HILLSIDE SURVEY POINTS

WEST RIDGE RESOURCES, INC. GRASSY TRAIL RESERVOIR SUBSIDENCE SURVEY

	ELEVATION DESCRIPTION		drill hole in stone	aerial	aerial		8170.66 1/2" rebar w/cap	8128.04 1/2" rebar w/cap	T	T	✝	+	 	_	7882.60 1/2" rebar w/cap	7843.95 1/2" rebar w/cap	T	1	┢	┪	T	Т	T	-	П			Н					7	7	_	7	┪	7	8283.50 1/2" rehar w/ran
	EASTING ELEV					MAY 2007	36572.55 8170	36618.24 8128	-	┝	┞	L	L	36860.02 7934.71	L	36973.78 7843	37004.89 7815.69	┝	37065.72 7771.00	7738.77	L	38.25 8073.54	35682.09 8079.07	00.14 8075.13	L	35937.58 8042.45	\dashv		36108.17 7911.32	Ц	36208.64 7835.11	4		4	355/6.89 7720.52	4	+	1	35258 AG 0200
L	_						38219.94 36	L	Ŀ	38299.58 366	-	H	Н	Н	38319.43 369	L	38476.71 370	┞	Н	Н	-		40101.64 356	١.,	\dashv		40401.50 359	4	\dashv	+	+	\dashv	+	+	40494.09	+	4	39614.16 3514	_
Cir Indiana	EASTING ELEVATION NOKIHING					-	Н	8128.12 38;	Н	L	L	Н	Ч		7882.55 38	_	7815.59 384		7770.95 38	4	\dashv	\dashv	8079.14 401	Н	+	+	8012.60 404	\dashv	+	4	+	+	+	7720 47	+	+	+	0300.09	-
ACTING ELS	ASTING EL					ş			Н		Н	-	\dashv	\dashv	-	-	37004.85 78	Н	-	-	-	-	_	4	4	+	+	+	4	4	4	4	36547 80 77	+	╀	╀	+	+	-
	ł					- 1	\dashv		H	\dashv	\dashv	-	+	4	4		_	4	4	-	4	40040.30	4	+	+	40342.62 36	+	+	+	+	40309.00	+	40466.00 36	╀	-	╀	╀	+	_
FI FVATION INDITUME	TI T	+		-		+	+	4	\dashv	-	-	+	┥	+	+	+	┥	┪	+	+	+	+	+	+	8066.32	+	+	+	7971.50	+	+	+	7739.25 40	H	+	+	+	+	
EASTING		-	1	1	1000	APRIL 2006	36572.39	36618.19	36654.04	36688.71	36731.28	36775.01	36827.89	36859.72	36950.18	36973.49	37004.46	37048.21	37065.31	37100.42	35492.61	90000	30081.55	+	33671.72	+	36033 RE	+	+	+	+	╀	╀	ł	1	35025.41	L	+	_
NORTHING						20,000	38219.85	38222.36	38263.71	38299.47	38301.86	38325.54	38331.40	38313.54	30319.39	30447.17	384/6.58	38510.00	30000.74	20000 44	39908.41	404040.02	40101.20	40100.18	40271.44	40401 13	40483 33	40457 34	+	╀	40412.05	40486 71	40456.20	40494.76	┝	⊢	╀	╀	_
ELEVATION						04.77.40	01/2.48	0129.43	8094.52	8029.50	8023.47	767,000	7026.04	7002 10	7044.44	7040.41	10.01	7774 20	7730 42	0422.62	8074 14	8070 54	9075 47	00.000	8042 64	8012.85	7961.81	7911 50	7870 28	7835.12	7786.31	7766.64	7739.41	7720.69	7710.27	8431.30	8369.16	8284.30	
EASTING	1				A11G 2005	265779 40	2007 7.19	20000	36653.59	30000.10	36730.77	36927 44	36850 20	36040 70	38073 04	97000 00	37,003.02	37064 70	37000 08	35402.63	35537.64	35681.60	35700 56	35871.81	35936 98	35978.09	36033.73	36107.54	36157.45	36207.98	36328.35	36430.73	36547.59	36676.94	36788.54	35025.57	35140.76	35257.99	
ELEVATION NORTHING						38218.83	38252 87	20004.00	38200 66	38300 04	30305.04	38331.78	38343.75	38310 37	38440 05	38476.42	000000	38555 51	38610 90	39908 67	40040.27	40101.53	40180 37	40271 50	40342.42	40401.29	40483.47	40457.46	40384.53	40369.37	40412.33	40486.87	40456.34	40495.05	40539.93	39499.78	39614.13	39708.56	
						B172 74	8120 70	8004 74	80594.74	8023.62	7987 66	7950 15	7935.29	7883 21	7844 42	7816 13	7700 04	7777	7739.21	8123.68	8074.25	8079.68	8075.62	8066.59	8042.83	8012.93	7961.94	7911.76	7870.78	7835.58	7786.57	7766.91	7739.55	7720.75	7710.37	8431.39	8369.35	8284.45	
CHANING					NOV 2004	H	╀	╄	╀	╀	+	+	╀	-	╀	╀	╀	37064.60	37099.90	35492.68	35537.75	35681.70	35799,62	-	-	35978.06	-	36107.55	-	36208.01	36328.41	36430.79	36547.56	36676.98	36788.58	35025.50	35140.80	-+	00 01030
LEEVA JON NOR I MING						38220.06	H	H	+	╀	╁	╀	┝	-	38440,87	-	╁	+	38610.90	39908.79	40040.36	40101.61	40180.55	Ľ	40342.59	Н	-	40457.59	40384.85	40369.60	40412.52	40487.11	40456.51	40495.16	40540.10	39499.87	39614.25	39708.67	30707 05
CELEVAIR		Н	_	7645.98	2	8172.50	H	-	\vdash	╀	┞	-	H	7883.24	7844.41	7816.06	H	┞	7739.26	8123.71	8074.27	8079.63	8075.64	8066.59	-	4	4	4	4	4	4	+	+	1	1	-		1	
CANIMO		4	4	Н	٠,	5 36571.37	2 36617.52	L	╀		\vdash	H	36858.96	36949.35	3 36972.65	-	H	-	Н	Н	Н		35799.59	Н	4	1	\dashv	\dashv	4	4	+	+	+	30077.03	+	+	:	1	1
	CALIBRATION CONTROL	38880.51	37041.51	40772.17		38219.95	38252.72	38263.93	38299.57	38301.95	38325.65	38331.28	38313.55	38319.30	38440.86	38476.43	38509.85	38555.42	38610.87	39908.69	40040.26	40101.53	40180.47	40271.72	40342.59	40401.33	40483.53	40457.48	40384.66	40369.45	40412.36	40486.98	40456.36	40490.04	10008:30			:	1
	CALIBRATIC	-	24	2	MEASURED	-	2	က	4	ဇ	9	7	8	6	10	11	12	13	4	30	34	32	33	ક્ર	æ	8	37	88	8	40	41	42	45	45	46	47	av.	9	2



WARE SURVEXING, L.L.C.==1344 Morth 1000 West - Price, UT 84501
Office, 435-613-1356
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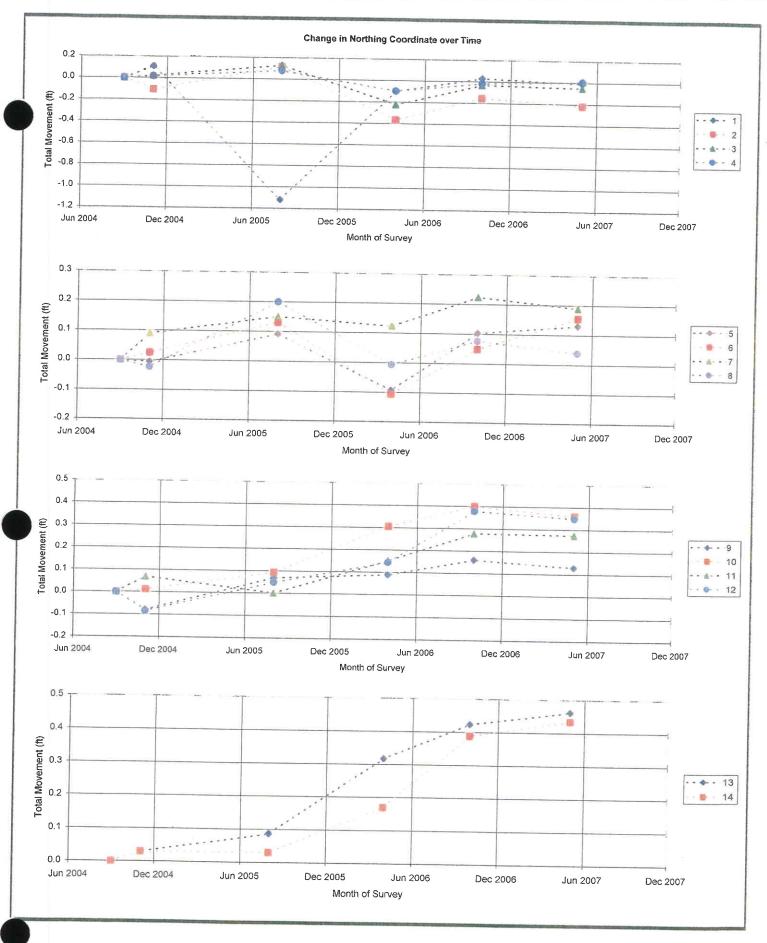
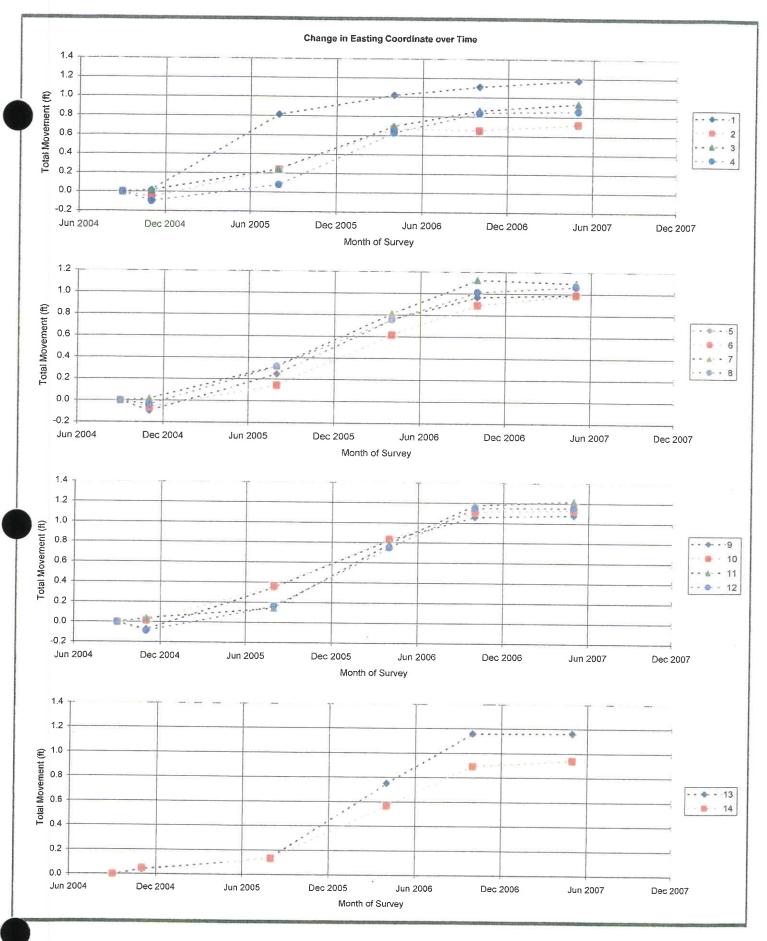




FIGURE D-2a

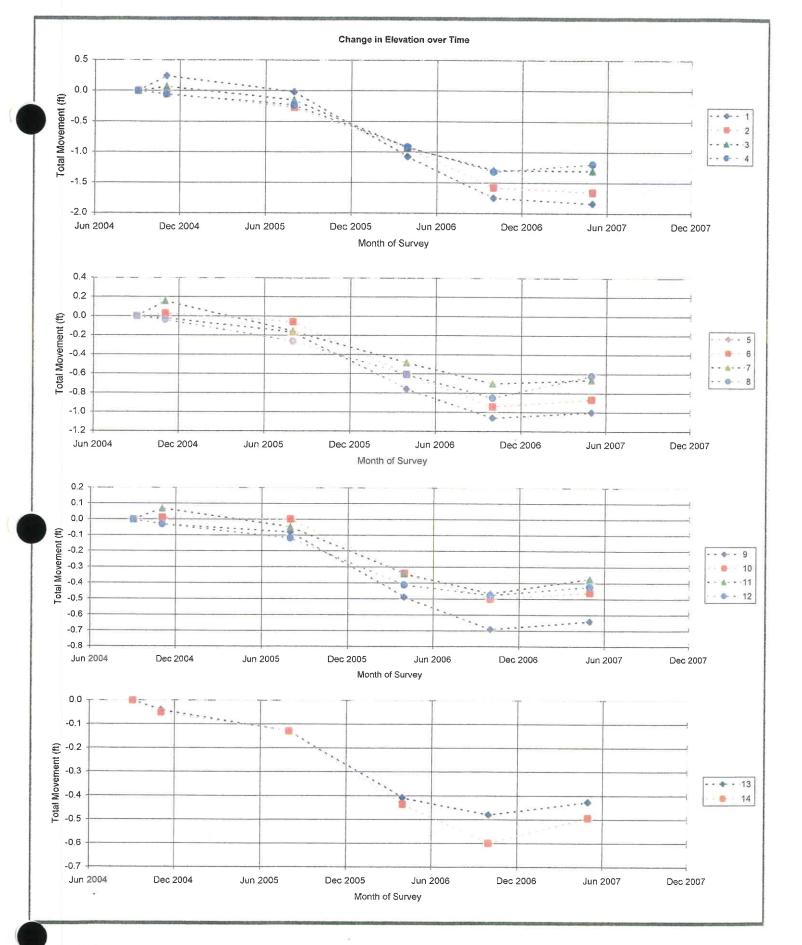




PROVO, UTAH

FIGURE D-2b

POINTS 1-14 - CHANGES IN EASTING COORDINATES
GRASSY TRAIL DAM AND RESERVOIR - CARBON COUNTY, UTAH

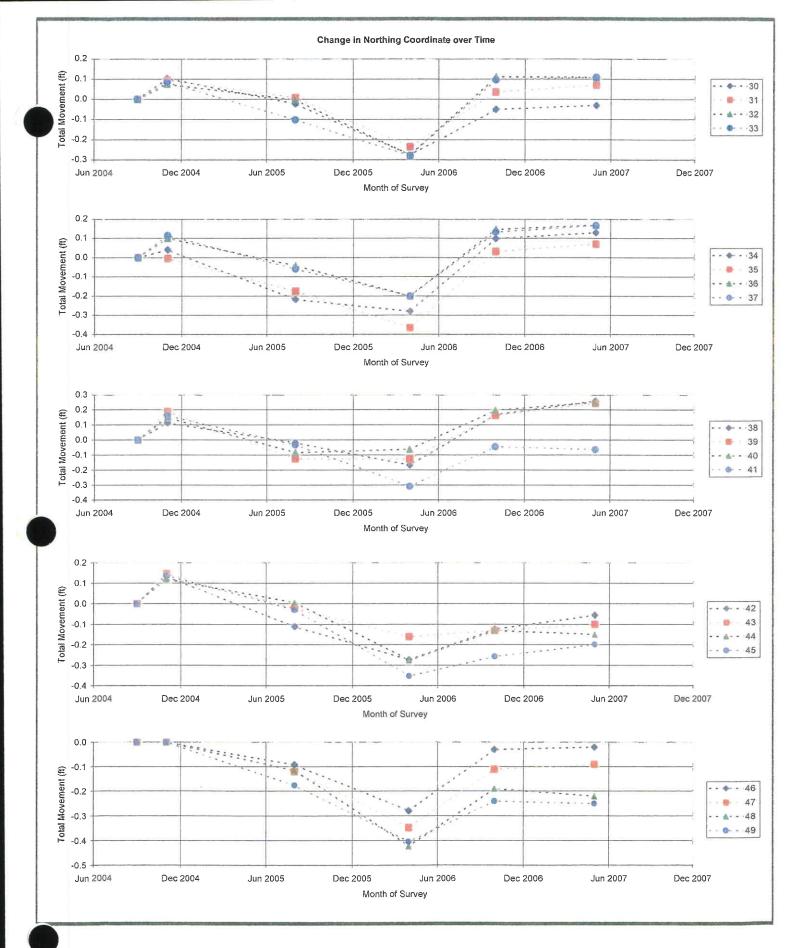




PROVO, UTAH

FIGURE D-2c

POINTS 1-14 - CHANGES IN ELEVATION COORDINATES
GRASSY TRAIL DAM AND RESERVOIR - CARBON COUNTY, UTAH



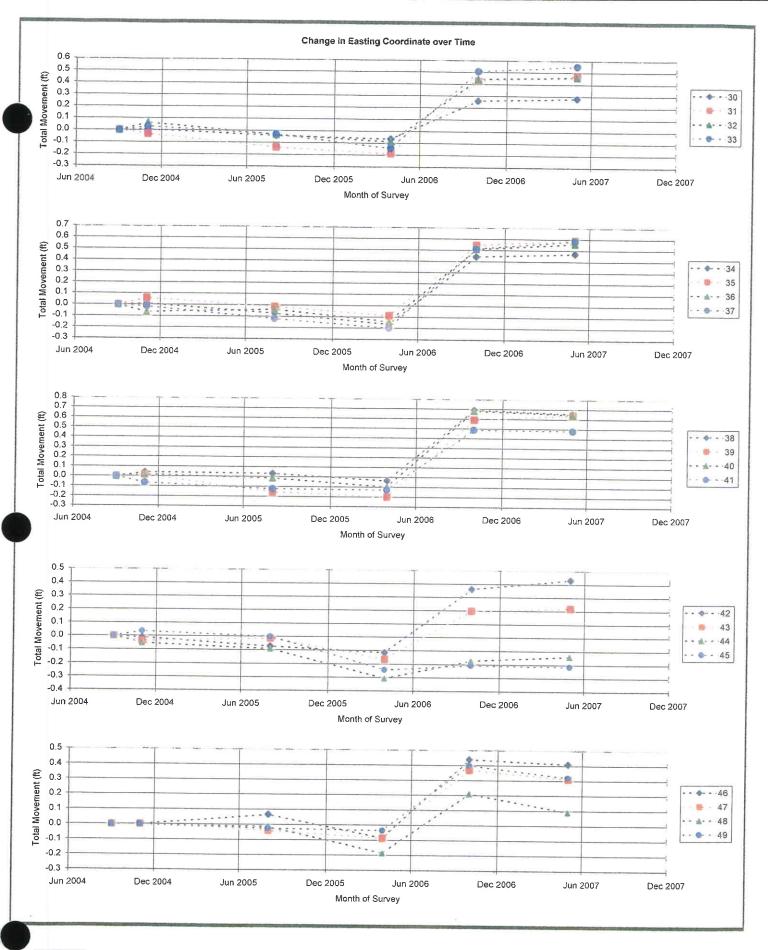


RB&G ENGINEERING INC.

PROVO, UTAH

FIGURE D-3a

POINTS 30-49 - CHANGES IN NORTHING COORDINATES
GRASSY TRAIL DAM AND RESERVOIR - CARBON COUNTY, UTAH





PROVO, UTAH

FIGURE D-3b

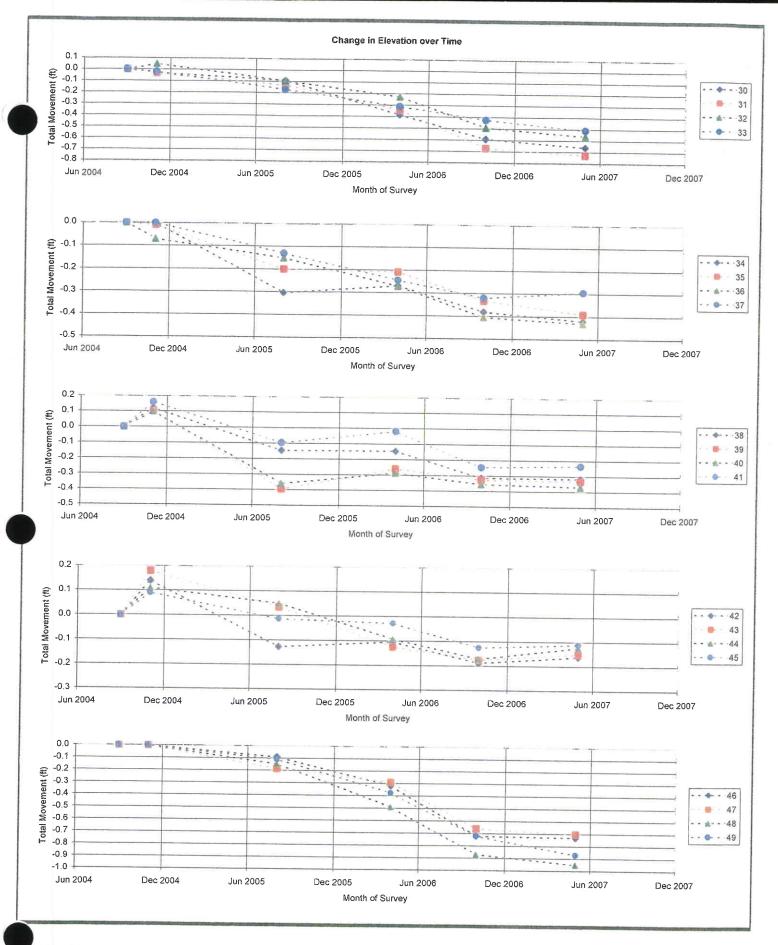




FIGURE D-3c

EXHIBIT D-1 - PAGE 1 OF 1



WARE SURVEYING, L.L.C.

1344 North 1000 West - Price, UT 84501 Office: 435-613-1266

Email: waresurveying@emerytelcom.net



August 6, 2007

UtahAmerican Energy Attn: Dave Shaver

Dear Mr. Shaver.

The purpose of this letter is to document a portion of my involvement with the subsidence monitoring survey of the Grassy Trail Reservoir dam. My company was hired by the West Ridge Mine as a survey consultant to monitor the dam in October of 2005. My monitoring of the dam included GPS, Total Station, and Differential Level observations. In this letter I will summarize the "straight-line" observations that were made at the dam.

In May of 2006 Dave Shaver made the recommendation to perform a "straight-line" observation of a number of points along the surface of the dam. This observation consisted of setting up an optical survey instrument at one end of the dam and setting markers along the dam that are all on the same sight line. Once the marks were set any movement in a direction perpendicular to the sight line would be easily detected. On May 26, 2006 I set the marks along the dam and made the initial or base line survey. At the East end of the dam I pounded a 6-foot long roof bolt (1" diameter solid steel rod) to within 1 foot of the dam surface. I also placed concrete around the roof bolt to a depth of 30 inches. I then set up an optical survey instrument (a Sokkia Set 2 B 2 Total Station) over the roof bolt and sighted a straight line along the dam to the West. On this straight line I was able to line up with a number of the existing monitoring wells that are located along the dam. These wells are square metal tubing that are approximately 4" X 4" and stick out of the ground a couple of feet. I was then able to line up my survey helper who drew a vertical line on 4 of these monitoring wells that were all in a straight line with each other and the roof bolt that I was set up over. Since placing the marks and performing the initial survey I have made 12 subsequent observations of this straight line on the dates shown below. On every survey i set up the same instrument over the roof bolt on the East end of the dam and sighted a straight line to the West along the monitoring well marks. And on every survey all of the marks were on the same East-West sight line, which indicates there was no movement in a North-South direction for the duration of the survey. Beginning on December 14, 2006 we also started measuring distances from the control point on the East end to each of the monitoring wells. These distances were then checked on the subsequent observation dates, and have shown no movement in the East-West direction.

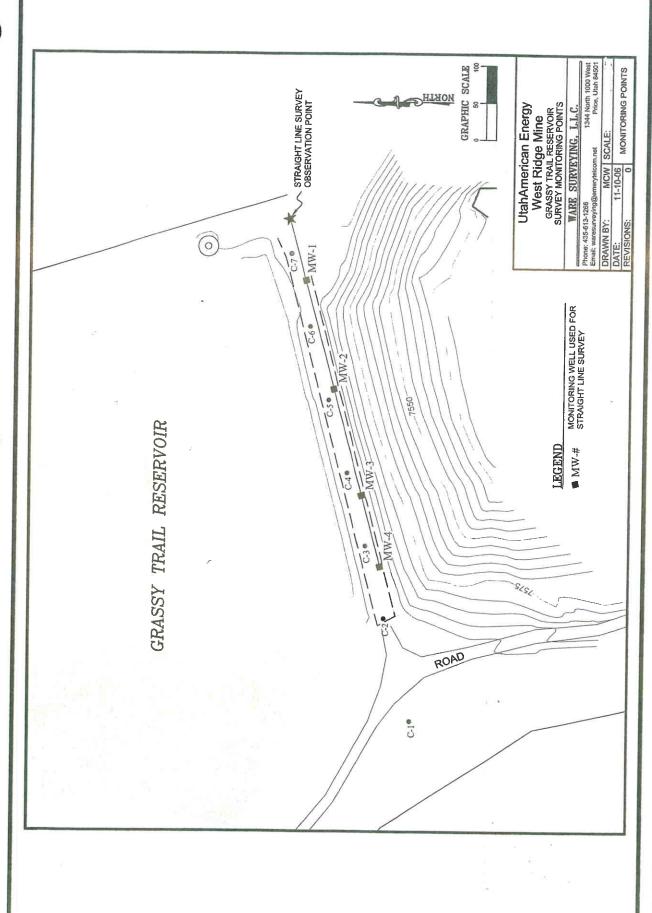
Straight-line survey observation dates:

- May 26, 2006
- May 30, 2006
- June 4, 2006
- June 12, 2006
- June 16, 2006
- June 20, 2006
- June 23, 2006
- June 30, 2006
- July 20, 2006
- July 11, 2006

- August 11, 2006
- September 18, 2006
- October 19, 2006
- December 14, 2006
- January 31, 2007
- March 1, 2007
- March 29, 2007
- May 30, 2007
- June 5, 2007
- July 1, 2007

Sincerely,

M. Cody Ware, PLS



D FIGURE LOCATIONS OF SURVEY POINTS ON DAM CREST GRASSY TRAIL DAM - CARBON COUNTY, UTAH



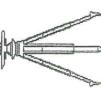
INC.



SURVEYED DISTANCES ALONG DAM CREST **TABLE D-2**

UtahAmerican Energy West Ridge Mine Grassy Trail Reservoir "Straight line" survey data

		Distanc	Distance from control point to face of Monitoring Well (MW) in fact	nt to face of Monit	oring Well (MW) in	fact	8/9/2007
STATION	12/14/2006	1/31/2007	3/1/2007	3/29/2007	5/30/2007	6/5/2007	7/1/2007
MW-1	94.21	94.21	94.21	94.21	94.20	94.20	94.20
MW-2	141.49	141.49	141.49	141.49	141.49	141.49	141.49
MW-3	245.90	245.90	245.90	245.90	245.89	245.89	245.89
MW-4	295.13	295.13	295.13	295.13	295.12	295.12	295.12
MW-5	394.71	394.71	394.71	394.71	394.70	394.69	394.69
MW-6	493.96	493.96	493.96	493.95	493.94	493.94	493.94
MW-7	556.71	556.71	556.71	556.70	556.70	556.68	556.69
MW-8	708.27	708.27	708.27	708.27	708.26	708.25	708.26
Movement in straight line survey	no	no	no	ou	OU	OU	υO



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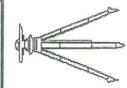


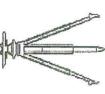
TABLE D-3 ELEVATIONS OF SETTLEMENT MONITORING POINTS ON DAM CREST

UtahAmerican Energy

West Ridge Mine Grassy Trail Reservoir

Differential Level survey data

							10/16/2007
STATION	C-1	C-2	C-3	C-4	C-5	9-0	C-7
NORTHING	38,830.55	38,865.88	38,892.13	38,917.88	38,943.74	38,969.37	38,996,01
EASTING	37,333.20	37,471.64	37,570.28	37,668.82	37,767.40	37,866.16	37,964.74
Differential level survey							
date.							
7/30/2002 Elevation	7593.49	7590.63	7590.29	7590.67	7590.44	7590.08	7590.08
8/29/2003 Elevation	7593.50	7590.65	7590.31	7590.69	7590.46	7590.08	7590.08
10/27/2004 Elevation	7593.50	7590.62	7590.30	7590.68	7590.45	7590.08	7590.08
8/12/2005 Elevation	7593.52	7590.66	7590.32	7590.69	7590.46	7590.09	7590.08
3/21/2006 Elevation	7593.50	7590.70	7590.30	7590.68	7590.45	7590.09	7590.08
4/14/2006 Elevation	7593.53	7590.73	7590.31	7590.67	7590.44	7590.08	7590.08
5/4/2006 Elevation	7593.54	7590.75	7590.31	7590.66	7590.43	7590.08	7590.08
5/30/2006 Elevation	7593.55	7590.78	7590.31	7590.65	7590.43	7590.07	7590.08
8/11/2006 Elevation	7593.49	7590.79	7590.31	7590.64	7590.43	7590.07	7590.08
9/18/2006 Elevation	7593.51	7590.82	7590.33	7590.66	7590.43	7590.08	7590.08
10/09/2007 Elevation	7593.54	7590.83	7590.33	7590.67	7590.44	7590.08	7590.08

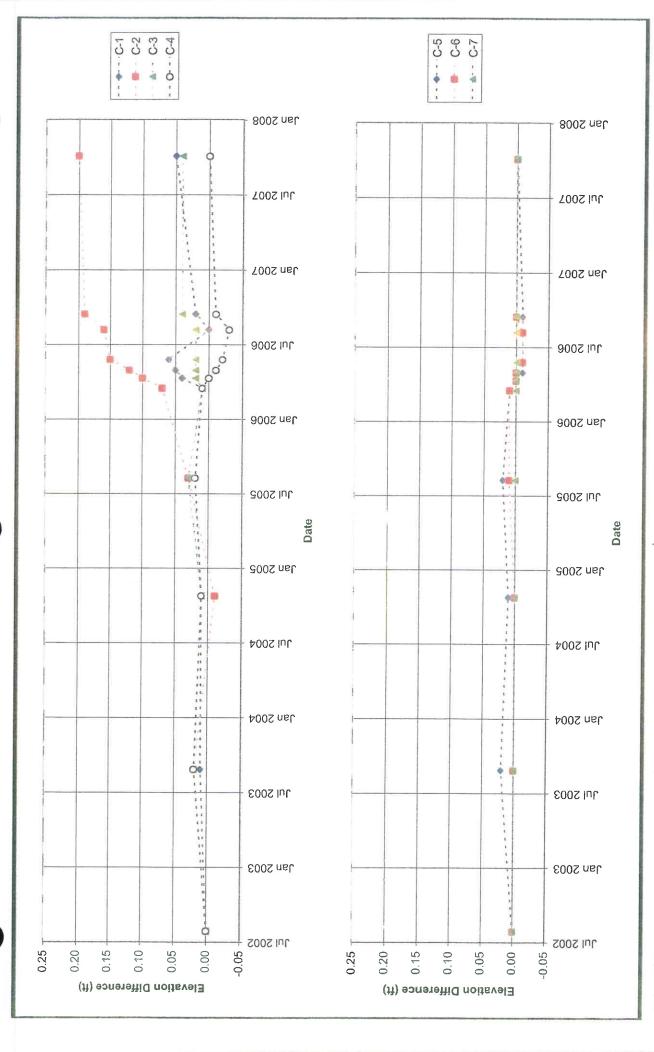


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PROVO, UTAH INC.

FIGURE

SURVEY POINTS ON DAM - CHANGE IN ELEVATION VERSUS TIME GRASSY TRAIL DAM - CARBON COUNTY, UTAH

APPENDIX 5-17 GRASSY TRAIL SUMMARY UPDATE REPORT RB&G ENGINEERING, 2010

APPENDIX 5-17

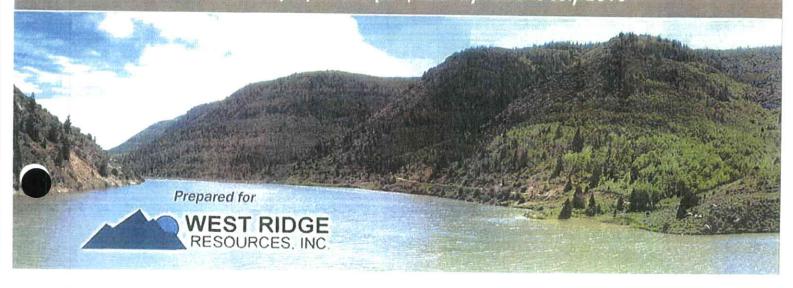
GRASSY TRAIL DAM AND RESERVOIR MINING-INDUCED SEISMICITY SUMMARY UPDATE REPORT, 2010

RB&G Engineering, inc MINING-INDUCED SEISMICITY NEAR GRASSY TRAIL DAM AND RESERVOIR

Carbon County, Utah



Summary Update Report, January 2008 to July 2010





September 3, 2010

Dave Shaver West Ridge Resources, Inc. P.O. Box 910 East Carbon, UT 84520

Subject: Mining-Induced Seismicity Summary Update Report - January 2008 to July 2010

Near Grassy Trail Dam and Reservoir

Gentlemen:

A Summary Update Report has been completed for the Mining-Induced Seismicity Study at the Grassy Trail Dam and Reservoir in Carbon County, Utah.

We appreciate the opportunity of providing this service for you. If there are any questions relating to the information contained herein, please call.

Sincerely,

RB&G ENGINEERING, INC.

Michael N. Hansen, P.G.

Bradford E. Price, P.E.

bep/jag

Summary Update Report January 2008 – July 2010

Mining-Induced Seismicity Near Grassy Trail Dam And Reservoir

Carbon County, Utah

Prepared for: West Ridge Resources, Inc.

September 2010

RB&G ENGINEERING, INC.

MINING-INDUCED SEISMICITY NEAR GRASSY TRAIL DAM AND RESERVOIR

Carbon County, Utah

Summary Update Report January 2008 – July 2010

1. INTRODUCTION

This report summarizes monitoring activities conducted at Grassy Trail Dam and Reservoir primarily between the months of January 2008 and July 2010. The project area is shown on Figure 1. The primary purpose of this study has been to monitor the effects of mining-induced seismicity on the dam and reservoir during and following the mining of Panel 7 in West Ridge Mine, and to evaluate potential effects of mining in Panels 18, 19, and 20 near the north end of the reservoir. The locations of instrumentation used for the monitoring program are shown on Figure 2. This report is an update to the January 2008 Summary Report (Grassy Trail Dam and Reservoir, Mining Induced Seismicity Summary Report January 2008, RB&G Engineering, January 31, 2008), which summarized monitoring activities between August 2005 and January 2008. This included the seismic monitoring and ground movements which occurred while mining was at its closest point to the dam in Panel 7 during 2006.

1.1 Mining Timeline and Proximity to Reservoir

Figure 3 shows the location of the West Ridge Mine operation relative to Grassy Trail Dam and Reservoir. This figure shows the locations of Panels 6 and 7 on the west side of the reservoir, which were mined in 2005 and 2006. It should be noted that the coal seam mined was 1664 feet vertically below the crest of the dam. The nearest point on Panel 7 was 995 feet horizontally west of the dam's right abutment. Following completion of Panel 7, the mining operation moved to Panel 8, located between 2.7 and 4.7 miles west northwest of the reservoir (north of the previously-mined panels) as shown on Figure 1. The projected areas to be mined in the next two years are shown on Figure 3. From this figure, it appears that future mining will gradually progress in an easterly direction, moving closer to the reservoir. Figure 3 also shows the locations of panels 18, 19, and 20 which are closest to the reservoir and

their projected mining dates as of May 2010. This figure shows a small section west of Panel 18 about 2,700 feet long and 300 feet wide which is proposed to be mined from August through November 2010.

2. PRESENTATION OF MONITORING DATA

Summaries of monitoring data obtained by RB&G Engineering from seismic ground motion instruments, the University of Utah Seismograph Stations (UUSS), and inclinometers are included in the Figure and Table section of this report. Summaries of monitoring data performed by others from piezometers, seepage points, and survey points are presented in the appendix of this report. This section discusses the apparent correlations between the mining operations at West Ridge Mine and the data collected at Grassy Trail Dam and Reservoir.

2.1 Ground Motion Monitoring Devices

The Instantel Minimate geophones have provided monitoring of seismic ground motions at the site since January 2005. The instruments have been sent to the manufacturer for recalibration several times since there installation. During calibration, one device was always left in operation while the other was being re-calibrated. This was done to ensure that at least one device would be present at the site at all times to provide continuous data during the full duration of the study. Currently one instrument is located on the dam while the other remains on the hillside where it was located during mining of Panel 7.

Tables and graphs summarizing the Minimate data are included in the Figure and Table section of this report. A summary of the number of events per month and the characteristics of the largest event each month since January 2008 is tabulated on Table A-1.

The number of seismic events recorded on the Dam and Hillside per day since January 2008 are plotted on Figure A-1. The number of seismic events per day reported by the UUSS is also plotted on this figure. The figure shows that the dam and hillside seismic units recorded the most daily events during January 2008, with a high of only two events per day. The daily

number of events recorded at the reservoir decreased significantly after January with one event recorded in February, and the last recorded MIS event in December 2008.

In contrast, the maximum number of daily earthquakes recorded by UUSS gradually declined from January through June 2008, from a high of eight events in one day in January to only one event reported during the month July. In August, the number of events began to increase again, fluctuated greatly through December 2008. In January 2009, the number of events began to increase again, reaching as many as 11 events in one day.

During February 2009, a magnitude 2.1 event resulted in mining operations being shut down and then restarted with a panel and barrier method, leaving larger un-mined panels between mined panels. This method resulted in a significant decrease in the number of MIS events, with only twelve events reported from March 2009 to November 2009. Between November 2009 and July 2010 only one event has been reported (April, magnitude 0.1).

It should be noted that during mining in Panel 7 (March 2006), a 2.6 magnitude event was reported along with numerous events greater than magnitude 2.0 up through February 2009. These trends are also illustrated on Figure A-2, which shows events per week rather than events per day. As a comparison with the events from 2006 to 2008, we have included Figures A-1a and A-2a showing the all of the events from January 2006 to July 2010.

Figure A-3 shows the number of events recorded weekly at the reservoir during 2006, as well as the approximate horizontal distance from the mining to the dam at a given time. The number of events detected at the reservoir appears to be a function of the proximity of recent mining. This figure shows that the maximum number of weekly events at the reservoir does not directly coincide with the closest distance to the ongoing mining. Instead, the period of most frequent events lags several weeks behind the period of nearest mining activity. This lag time is likely caused by the tendency of the longwall ceiling to hang up for a period of time while building up stresses sufficient to collapse a portion of the roof.

Lag time is likely also associated with the movement of the landslides in 2006 during the mining of Panel 7. It is our opinion that once the slide started moving, it gained some of its own momentum and some of the continued movement of the slide in the late summer and fall of 2006 was due to this lag time delay and the time needed for the slide to regain its own stability. It is our opinion that this latter movement was more likely associated with this stability and lag time, and less from the continued mining toward the northern end of Panel 7, which was further away from the dam.

The maximum weekly MIS earthquake event and Peak Ground Acceleration (PGA) values recorded at the reservoir from 2008 to July 2010 are plotted versus time on Figure A-4. The time period during which the greatest acceleration values and the highest number of events (four events) took place were during January and the first week of February 2008. During this time, the maximum PGA value was only 0.0265g. The next and last recorded event was picked up by the Hill Side Unit during the first week of December 2008 with a PGA value of 0.0133g. No MIS event was report by the UUSS for the December event. For comparison, Figure A-4a shows these maximum weekly values from January 2008 to July 2010.

An overview of the seismic activity in the area showing the number of MIS earthquakes reported by the UUSS per month since 2006 to July 2010 is shown on Figure A-5. Figure A-6 shows the earthquake magnitudes for each of these events since January 2006 to July 2010. From these figures, it is apparent that there was a significant decrease in the number of MIS events from October 2006 to March 2007. This corresponds with the move to Panel 8 which had significantly less cover over the mining area. We also see a significant drop in the number of events starting in February 2009 when the mine changed to a panel barrier method of mining. As shown on Figure A-6, there has been a significant change in the magnitudes of the earthquakes after February 2009. Prior to February 2009 the average event magnitude was 1.5. Since February, the largest magnitude events have been 1.4 with an average magnitude of 1.1. This change in number and magnitude of events appears to be related to the changes in mining practices.

2.2 Inclinometers

Figure 2 shows the location of each inclinometer. Data from the four inclinometers at the reservoir are compiled in the Figure and Table section of this report. A discussion of data obtained from each inclinometer is presented below. It should be noted that some of the data prior to 2008 is not included in the following sections and figures. For detailed information prior to 2008, the Grassy Trail Dam and Reservoir, Mining-Induced Seismicity, Summary Report, January 2008 should be referenced.

2.2.1 Inclinometer 1

Inclinometer 1 was installed at the easterly (left) end of the dam in 1998. This inclinometer extends through approximately 48 feet of dam embankment fill and into the foundation to a total depth of about 107 feet. The positive "A" axis of this inclinometer pipe is oriented into the abutment toward the southeast, and the positive "B" axis is oriented downstream to the southwest. Deflection profiles recorded by Inclinometer 1 are shown on Figure B-1. This figure shows that the uppermost 2-foot deflection interval shows substantially greater deflections than the rest of the readings. This observation indicates only that the pipe is not rigidly confined in the soil in the upper few feet, and is not an indicator of significant ground movements.

With the exception of the uppermost point, the deflections recorded along either Inclinometer 1 axis is less than about 0.2 inch. As of July 2010, the magnitudes of the displacements in Inclinometer 1 are small, and do not exhibit a significant tendency toward instability in this area.

2.2.2 Inclinometer 2

Inclinometer 2 was installed near the west (right) end of the dam in 1998. This pipe extends to a total depth of 128 feet, including approximately 120 feet of embankment fill and underlying foundation soil before penetrating about 8 feet into sandstone bedrock. This inclinometer is oriented such that positive movement on the "A" axis indicates movement into the west abutment, and positive movement on the "B" axis is upstream toward the reservoir.

Deflection profiles for the "A" and "B" axes are shown on Figure B-2. Since January 2008 the "A" axis shows less that 0.25 inches of movement. This movement is significantly less than the approximately 3.5 inches of deflection between 2005 and 2008; with the large majority of this deflection having occurred between December 2005 and August 2006. The profiles also show deflection of about 0.5 inch in the negative "B" direction occurring between January 2008 and July 2010. After December 2008 we do not see any new significant movement. Much of the movement is within the error of the instrument. In both cases, the profiles appear to be relatively stable since the end of 2008.

The deflected shape of Inclinometer 2 on January 26, 2008 relative to a baseline shape measured on July 20, 2004 is shown in plan view on Figure B-3. The figure shows that the measured deflections are oriented primarily along the dam axis from the west (right) abutment toward the maximum section to the east. The slight "bulging" noted on the "B" axis profile is in the upstream direction. Since no significant movement has occurred between 2008 and July 2010, this information is not included on this figure.

Figure B-4 shows deflections along the "A" axis of Inclinometer 2 plotted versus time, beginning in February 2005 up to July 2010. The dates on Figure B-4 can be compared to the dates at which mining occurred closest to the dam. Some lateral deflection (0.4 inch over the 44 to 122-foot depth interval) occurred during Panel 6 mining in 2005. Much of the 2005 deflection occurred during the first half of the year, and measurements after June appear to demonstrate a decreasing rate of deflection. By November 2005, the ongoing deflection appears to be negligible.

As mining commenced in Panel 7, the deflections measured in Inclinometer 2 began to increase substantially, with the greatest deflections occurring during and immediately following the period of shortest distance between the mining and the dam. By August 2006, the ongoing deflections were very small. By October 2006 movement became negligible.

There appears to be a very strong correlation between the deflections measured by Inclinometer 2 and the proximity of longwall mining. The larger magnitudes of events recorded during Panel 7 mining compared to Panel 6 mining may also contribute to the larger lateral deflections observed during Panel 7 mining.

2.2.3 Inclinometer 3

Inclinometer 3 was installed in the dam's right (west) abutment in 1998. This pipe extends through about 7 feet of clayey overburden soil, underlain by predominantly mudstone to about 42 feet, and terminates after penetrating about 11 feet into sandstone at a total depth of 53 feet. The positive "A" axis of Inclinometer 3 is oriented predominantly away from the dam and 20 to 25 degrees upstream of the dam axis. The positive "B" axis is oriented predominantly upstream toward the reservoir.

Profiles of deflection measurements recorded at Inclinometer 3 since February 2008 are shown on Figure B-5. The deflection shape shown for the "A" axis and "B" axis shows no significant movement between February 2008 and July 2010.

Figure B-6 is a plan view of the deflection measurements in Inclinometer 3 between 2004 and 2007 and includes the maximum defection during mining. The predominant plane of back-and-forth lateral deflection is parallel to the dam axis, but an overall movement in the upstream direction is also apparent. Since no significant movement has occurred between 2008 and July 2010 this information is not included on this figure.

Figure B-7 shows the deflection for the various depth intervals plotted versus time. On this figure the trend is very similar to that shown for Inclinometer 2 on Figure B-4. Again, it appears that relatively small lateral ground movements occurred at the abutment during mining of Panel 6 in 2005, followed by larger deflections occurring during Panel 7 mining. As was the case with Inclinometer 2, the rate of deflection at Inclinometer 3 was very small during periods of limited or more distant mining activities, such as November-December 2005 and after August 2006.

The deflections measured at Inclinometer 3 are substantially smaller than those measured at Inclinometer 2; however, it should be noted that the bottom eight feet of Inclinometer 2 appears to be fixed in place, suggesting that the pipe may be anchored in a stationary stratum. By contrast, Inclinometer 3 shows deflections beginning at the deepest measurement interval (51 to 53 feet). This observation suggests that the bottom of the Inclinometer 3 pipe may not be anchored as the Inclinometer 2 pipe appears to be. The 11 foot sandstone unit at the bottom of this inclinometer appears to be moving with the slide. This makes the movement recorded above the bottom only relative to the moving bottom and not to a stationary fixed point. It should be noted that the deflection values recorded only show relative movement between points and do not show absolute deflection values with a true measurement of total side movement and direction of movement.

Since October 2006 to July 2010 Inclinometer 3 has not shown any significant movement.

2.2.4 Inclinometer 4

Inclinometer 4 was installed in February 2005 on the west rim of the reservoir upstream of the dam. This instrument is located immediately west of the roadway in the lower portion of an apparent slide mass. The pipe extends through approximately 37 feet of soil and penetrates about 30 feet into the underlying bedrock to a total depth of 67 feet. The positive "A" axis for this inclinometer is oriented in an easterly direction toward the reservoir. The positive "B" axis points downstream toward the dam.

Deflection profiles for Inclinometer 4 are shown on Figure B-8. This figure show relative movement compared to a base line reading taken in July, 2007. In July of 2007 Inclinometer 4 (I-4) was run over by a large truck and broken off just below ground level. Repairs were started and put on hold while the road was being widened. The new road cut caused a surficial side which buried I-4. At the time I-4 was not showing signs of movement. In May 2010 the inclinometer was located and dug out, and appears to be functional. Due to the loss of about 2 feet of pipe at the surface, new readings do not

correlate exactly with the previous readings prior to 2007. This may account for the small bulge at 62 feet, as well as the other irregularities in the survey in Figure B-8. The larger displacements shown in the upper 4 feet indicate that the top of the pipe is loose and is moving during the readings.

Taking into account the possible reading error due to the damage, the inclinometer does not show any significant movement since 2007. Some additional repairs are still needed to secure and protect the top of the instrument.

Figure B-9 shows a plan view of the Inclinometer 4 deflection measurements between February 2005 and July 2007. Disregarding the outlying points at depths of 1 and 3 feet, the deflection is predominantly eastward down the slope and into the reservoir, as would be expected.

The deflection of Inclinometer 4 along the "A" axis is plotted versus time on Figure B-10. The same trend observed at Inclinometers 2 and 3 is also apparent at Inclinometer 4. One notable difference is that the deflections attributable to mining of Panel 7 appear to subside several months earlier (around June 2006) at Inclinometer 4, while they continue until about August with slight movement into October 2006 in the west abutment area of the dam.

2.3 Piezometers and Observation Wells

The dam has been instrumented with piezometers and observation wells to allow careful monitoring of any changes in pore pressure and seepage behavior. The locations of these instruments are illustrated on Figure 3. East Carbon City is responsible for monitoring the piezometers and observation wells on a regular basis. The monitoring results are uploaded to the States Dam Safety Office web site. This information is available at http://nrwrtl.nr.state.ut.us/cgi-bin/damview.exe?Modinfo=Viewdam&DAM_NUMBER=UT00126). Figure C-1 in the appendix shows a summary of reservoir levels and piezometer readings between 2008 and 2010. It is our understanding that Piezometer 4 (aka OW-4) located near the maximum section was not read from October 2008 until May 2010 due to a change in

personnel and problems with the lock. We understand that these problems have been resolved and the piezometer is now being read.

A review of the piezometer readings shows an occasional spike on a single piezometer reading. These spikes appear to be errors in data entry since the next reading is back to normal. With exception of the spikes, no substantial or unusual changes in water levels were observed.

2.4 Seepage Monitoring Points

Seepage through the dam, foundation, and abutments is collected at three locations, including the toe drain connected to the dam's internal drainage system, a seepage collection system located on the east (left) abutment, and a collection pipe located on the west (right) abutment. The flows from the drains are measured by recording the time to fill a container of known volume with water from each collection point. The clarity of the water has also been recorded during seepage readings. Clear seepage water indicates that the flow is adequately filtered and is not moving material through the dam or foundation. Cloudy seepage water could be a sign of internal erosion, which could lead to a piping-related failure of the structure. It should be noted that no cloudy water has been noted during our site visits. Figure C-2 in the appendix shows the reservoir elevation and seepage at each monitoring location from 2006 through June, 2010. No significant changes in seepage rates have occurred during the monitoring time.

2.5 Survey Points

West Ridge Mine contracted with Ware Surveying to provide surveys of points on the dam and the slopes west of the reservoir at various times throughout the monitoring program. We have received updates from Ware Surveying with monthly surveys taken along the dam. According to Ware Surveying, since 2008 little to no significant movement has been reported at the dam. A copy of the survey data is included in the appendix. The locations of the survey points are shown on Figure C-3 of the appendix.

3. SUMMARY AND CONCLUSIONS

This section provides a brief summary of the findings of the monitoring data described in the previous section, and presents several conclusions that may be drawn based on this data. It should be noted that mining in the West Ridge Mine continues to occur, along with regular monitoring of impacts at the reservoir site. The current mining is at a much larger distance from the dam than Panels 6 and 7, but the distance between the reservoir and active mining areas is expected to decrease over the next several years. Data collected during this future mining may lead to some refinement of the conclusions presented below.

3.1 Mining-Induced Ground Motions at Grassy Trail Reservoir

The longwall mining operation performed in Panels 6 and 7 resulted in ground motions detected on the hillside west of the dam, as well as on the crest of the dam itself. The recorded mining-induced ground accelerations at the dam were relatively small during mining of Panel 6, and increased substantially during mining of Panel 7. The number of mining-induced events detected by instrumentation at the reservoir also increased substantially during Panel 7 mining. The increase in the number of events and the recorded acceleration levels appears to be strongly connected to the increased proximity of mining. There appears to be a lag of a few weeks up to several months between the time period of closest-proximity mining and the time of maximum mining-induced ground motions at the reservoir. The following table summarizes the number of MIS events starting in 2006.

Year	UUSS MIS / Earthquake events/year	UUSS MIS / Earthquake average events/month		
2006	463	38.6		
2007	373	31		
2008	255	21.3		
2009 Jan thru Feb	47	23.5		
2009 Feb thru Dec after change in mining	12	1,2		
2010 Jan thru July	1	0.083		

As shown in the Table above, the average number of events dropped in 2007 and 2008 and was increasing again in the first 2 months of 2009. In later part of February 2009 mining operations were changed to a panel barrier configuration. As shown on the table, the number of MIS events has dropped significantly since February 2009, when mining practices were changed.

3.1.1 Slide Areas on Hillside West of Reservoir

Grassy Trail Reservoir is located at the junction of the left and right forks of Whitmore Canyon. The dam and reservoir are located on the Colton Formation laid down during the Tertiary Period, Eocene and Paleocene Epochs, about 38 to 56 million years ago. The formation consists of dark-reddish-brown to green beds of mudstone and shaly siltstone interbedded with yellowish to grayish-orange and grayish brown, thin, fine to medium grained quartzose sandstone, with sparse limestone beds. The formation is primarily of alluvial origin with some marginal lacustrine and deltaic deposits (Weiss and others, 1990). Bedrock appears to dip gently to the northeast at an angle of about 7 to 8 degrees.

These mudstone deposits of the Colton Formations are susceptible to sliding and are associated with landslide deposits in the region. While geologic maps of the area show landslide deposits in the region, they do not show any mapped near the dam or in the area near panels 18, 19, and 20. The lack of identified slides on the map, at and near the dam, is likely due to the scale of the mapping and also indicates that other small scale landslides may not be mapped as well.

Inclinometers 2 and 3 have been documenting movement of the landside on the west side of the dam. Significant movement of the west side took place shortly after the dam was constructed and long before current mining operations. MIS movement of this slide started in 2005. Most of the movement took place in 2006, causing about 3.5 inch of inclinometer deflection at the dam. At that time mining came within a horizontal distance of about 1,000 feet of the dam.

Inclinometer 4, located upstream of the dam on the west rim of the reservoir, has shown discrete deflections of up to 0.3 inch at a depth of about 62 feet below the ground surface. These deflections are significantly smaller than those at the dam. Very slight deflections were measured at this depth during mining of Panel 6 in 2005, but the large majority of

this deflection occurred between February and June of 2006, while mining in Panel 7 was closest to the inclinometer. Measurements recorded since June 2006 suggests that this slide area has been relatively stable since that time.

These slides may become more active as future mining activities approach the reservoir and mining-induced ground motions again increase at the site. Due to the changes in mining practices since February 2009, the number of MIS earthquake events has decreased significantly. The magnitude of the MIS earthquake events have also decreased. While MIS hazards still pose a threat to these landslide areas, it appears that, due to decreases in number and magnitude of MIS events, the potential hazards which were seen during the mining of Panel 7 in 2006 have likely also decreased.

It should also be noted that increases in slide movement could occur due to other factors such as above average precipitation and changes in the moisture conditions in the hillside that are entirely unrelated to the mining activities.

4. RECOMMENDATIONS

It is apparent from the data collected that mining activities in West Ridge Mine have caused mining-induced seismic events, and that ground motions caused by these events are detectable at Grassy Trail Dam and Reservoir. These ground motions have caused some measurable permanent deformations of the ground surface on the hillside west of the reservoir, as well as lateral deformations at the west end of the dam. Despite the recorded deformations, the dam appears to be performing well, and ongoing deformations have been very small to negligible since mining of Panel 7 concluded in the fall of 2006.

The inclinometers suggest that since October 2006 negligible to only very slight deformations (creep) may be ongoing at the dam's west abutment. Continued monitoring of these inclinometers is recommended to verify that the rate of this movement does not increase. Inclinometer #4 was damage and then buried by a surficial landslide. This slide was triggered by a road cut made to widen the roadway along the west side of the dam.

Regular monitoring of piezometers and seepage collection points is also recommended to verify that the recorded lateral movements do not result in increased seepage and/or internal erosion of the dam. This monitoring is critical to ensure adequate long-term performance of the dam and the safety of people and facilities located downstream.

A meeting was held in May 2010 to discuss the ongoing and future mining operation. As mining continues toward the east, it is gradually approaching closer to the area north of the reservoir. Due to the changes in mining practice to a "Barrier and Panel" configuration after February 2009, MIS events have dropped significantly in number and in magnitude. Based on this decrease, mining of panels # 18, 19 and 20 appears to be significantly safer, relative to dam safety. These areas are now being considered for mining. According to Figure 3, a small portion, about 300 feet wide, along the west side of Panel 18 may begin around in the Fall of 2010.

We recommend that the Minimate seismic monitoring accelerometer located on the hillside west of the dam be relocated to a location north of the dam. The instrument should be placed at a distance about equal to the nearest distance that projected mining is shown at its closest point to the dam. By doing this, we can start gathering new PGA (accelerometer) data relative to the new mining practices. This data can then be compared with data gathered during mining of Panels #6 and #7 in 2005 and 2006.

We recommend the monitoring schedule prepared and discussed in the Grassy Trail Dam and Reservoir, Mining-Induced, Summary Report, January 2008, included as Exhibit E-2 in Appendix E of that report, continue until further notice. A copy of Exhibit E-2 is included in the Appendix of this report. It is anticipated that the parties involved will meet yearly while mining continues, in order to review the monitoring data and update the monitoring schedule as needed. The frequency of monitoring may be increased at any time as dictated by unexpected changes in the monitoring data. We expect that monitoring will increase as mining gets closer to the reservoir.

As noted in Exhibit E-2, we will continue to perform daily reviews of the data on the UUSS web site. If an event of magnitude greater than 3.0 is reported within 5 miles of the dam, thorough site reconnaissance and readings of the ground motion instruments will be performed within 24 hours. Reading of all other instrumentation (inclinometers and piezometers) will also be performed if any recorded ground acceleration exceeds 0.2g.

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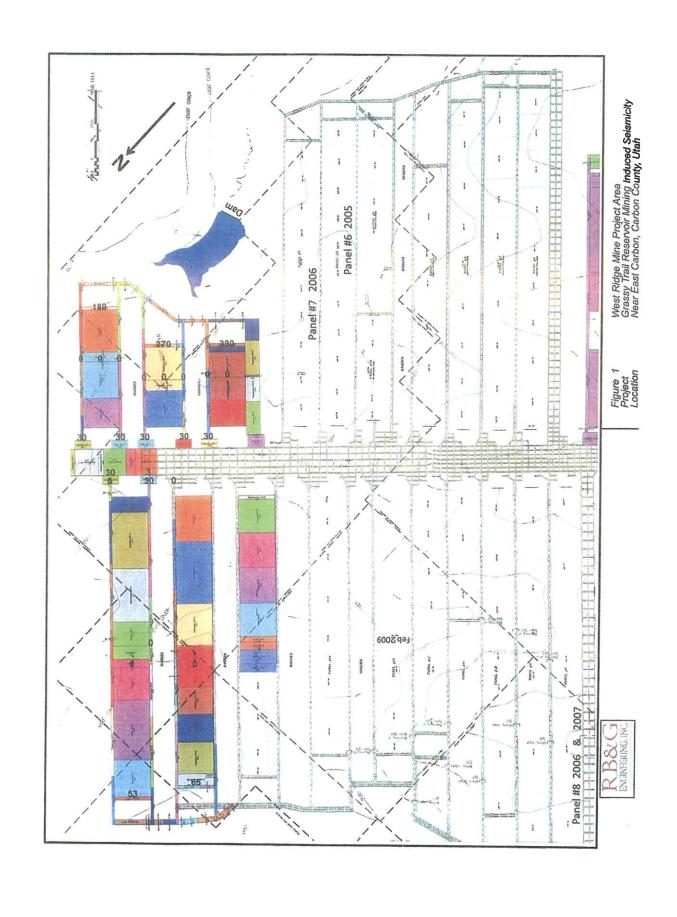
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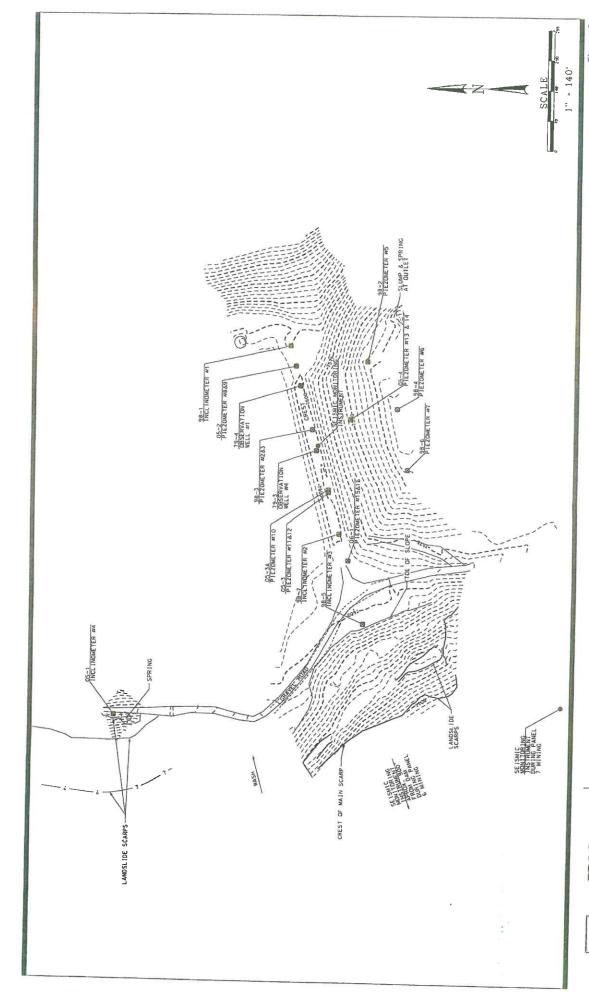
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GRASSY TRAIL DAM CARBON COUNTY, UTAH



Figure 2

LOCATION OF INSTRUMENTATION

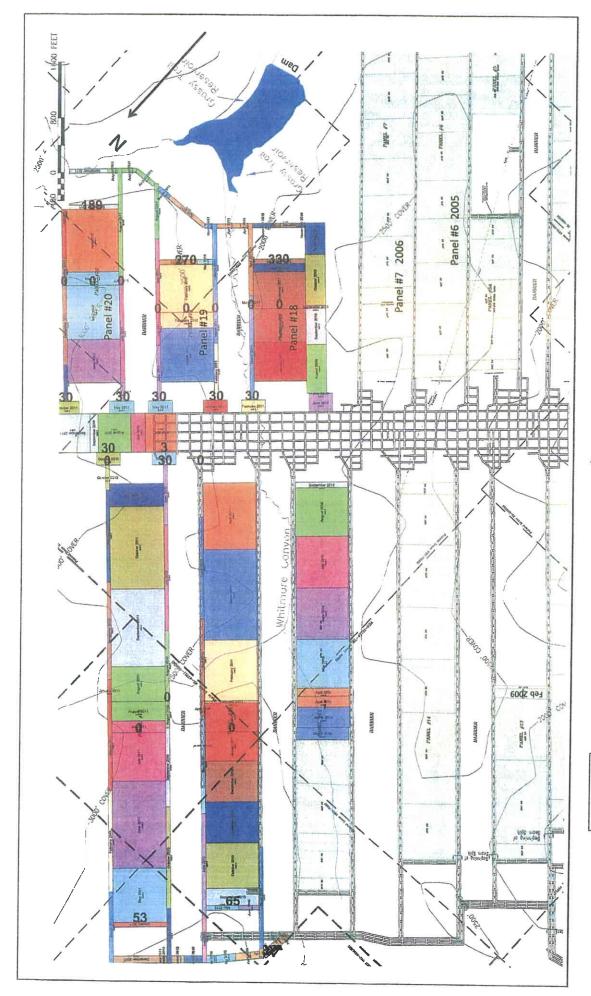




Figure 3 Project Location

West Ridge Mine Project Area with projected Mining Dates Grassy Trail Reservoir Mining Induced Seismicity Near East Carbon, Carbon County, Utah

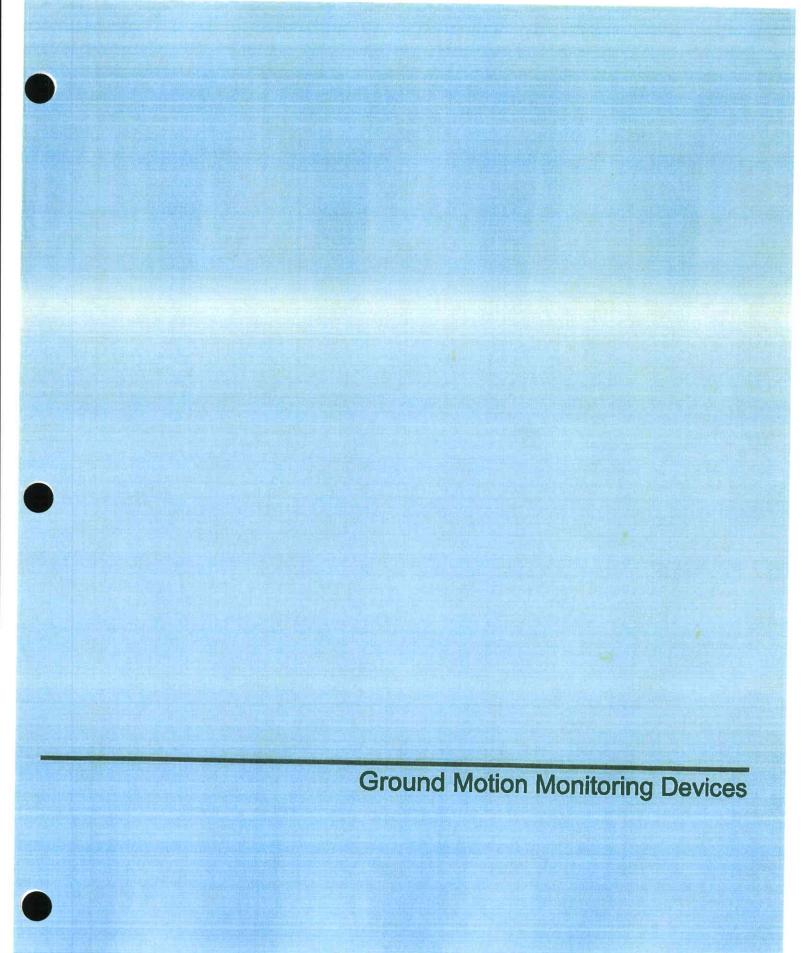


Table A-1
Monthly Summary of Ground Motions
Jan 2008 to July 2010
Grassy Trail Dam

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	Jul 2010	0			0			•

Notes: Max. Accel. = Maximum Peak Acceleration Recorded During the Month

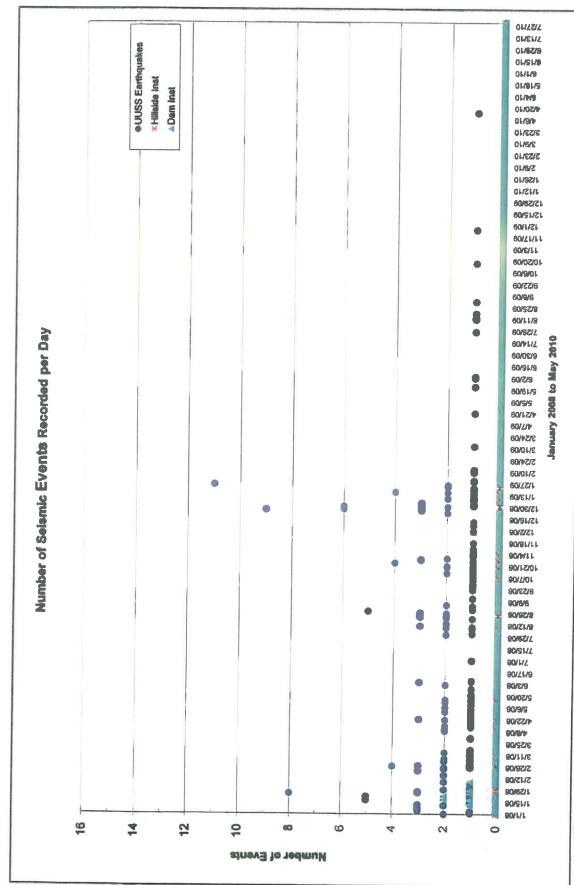




Figure A-1 NUMBER OF EVENTS RECORDED PER DAY (SINCE JAN 1 2008) GRASSY TRAIL DAM - CARBON COUNTY, UTAH

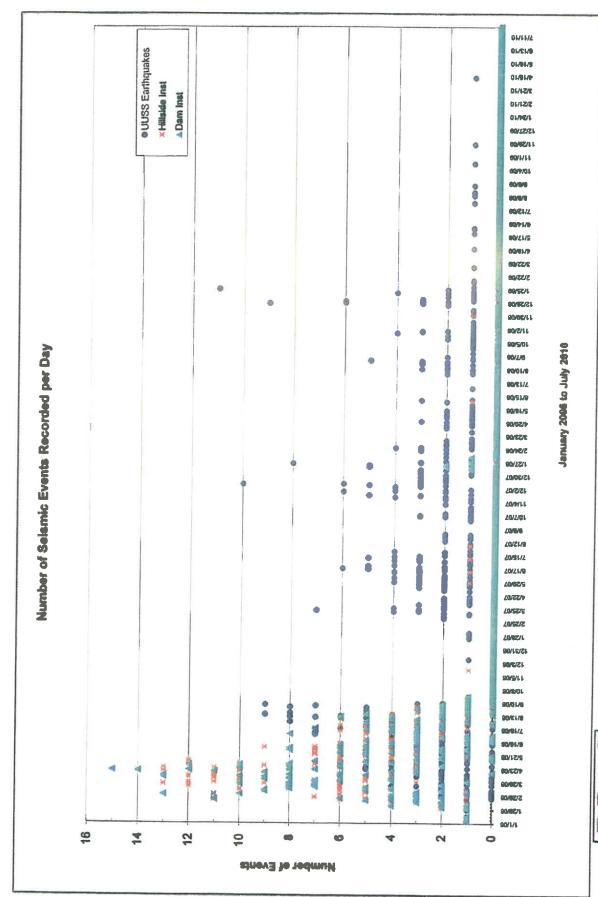




Figure A-1 a NUMBER OF EVENTS RECORDED PER DAY (SINCE JAN 1 2006) GRASSY TRAIL DAM - CARBON COUNTY, UTAH

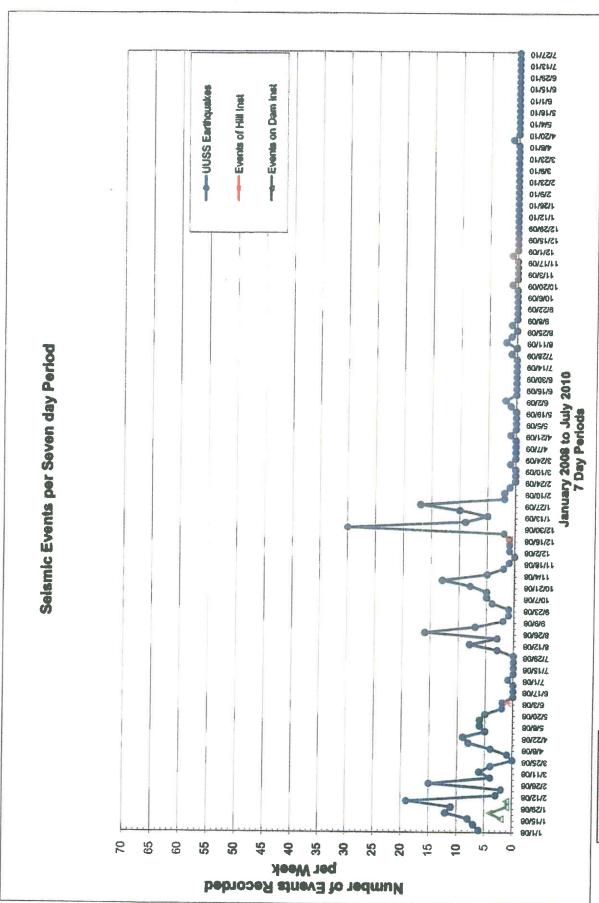




Figure A-2
NUMBER OF EVENTS RECORDED PER WEEK (SINCE JAN 1 2008)
GRASSY TRAIL DAM - CARBON COUNTY, UTAH

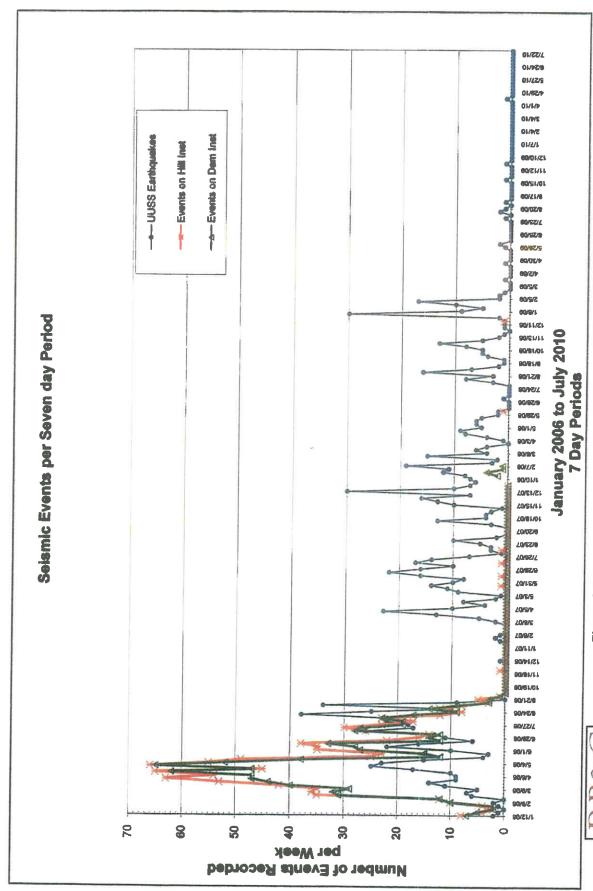




Figure A-2 a NUMBER OF EVENTS RECORDED PER WEEK (SINCE JAN 1 2006) GRASSY TRAIL DAM - CARBON COUNTY, UTAH

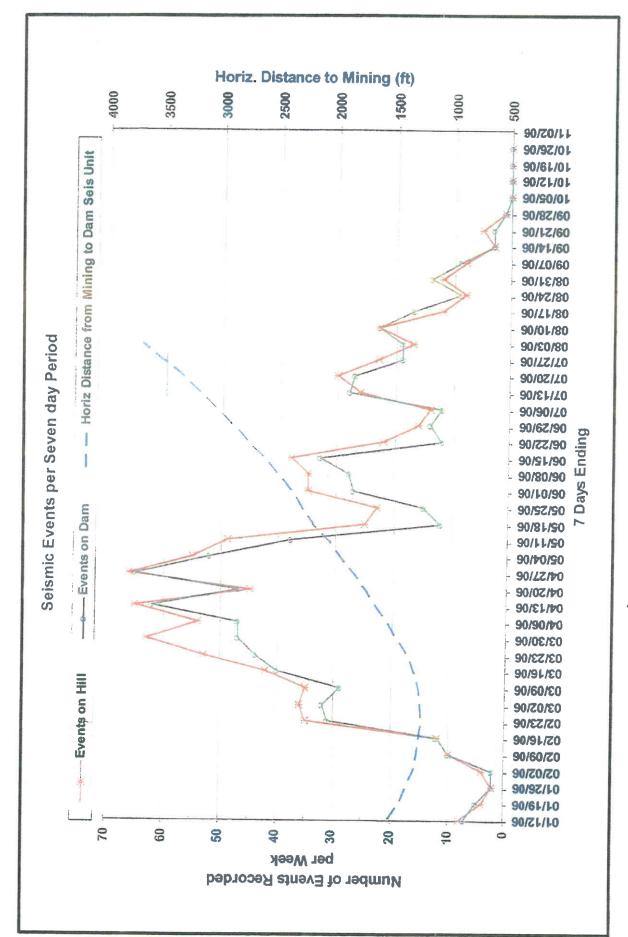
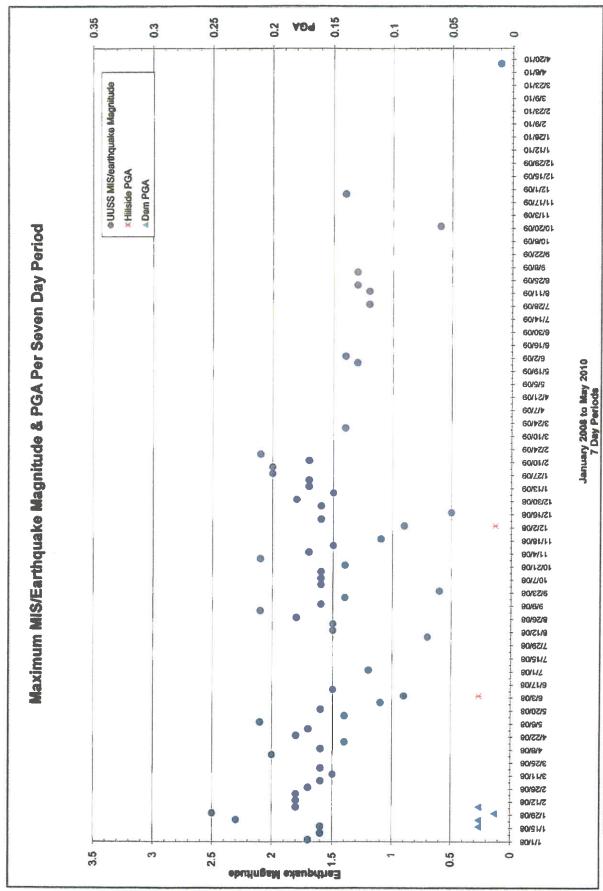




Figure A-3 Location Project

Events Per Week and Proximity to Mining During 2006 Grassy Trail Reservoir Mining Induced Seismicity Carbon County, Utah





PEAK GROUND ACELLERATIONS AND MIS/EARTHQUAKE MAGNITUDES versus TIME GRASSY TRAIL DAM - CARBON COUNTY, UTAH Figure A-4

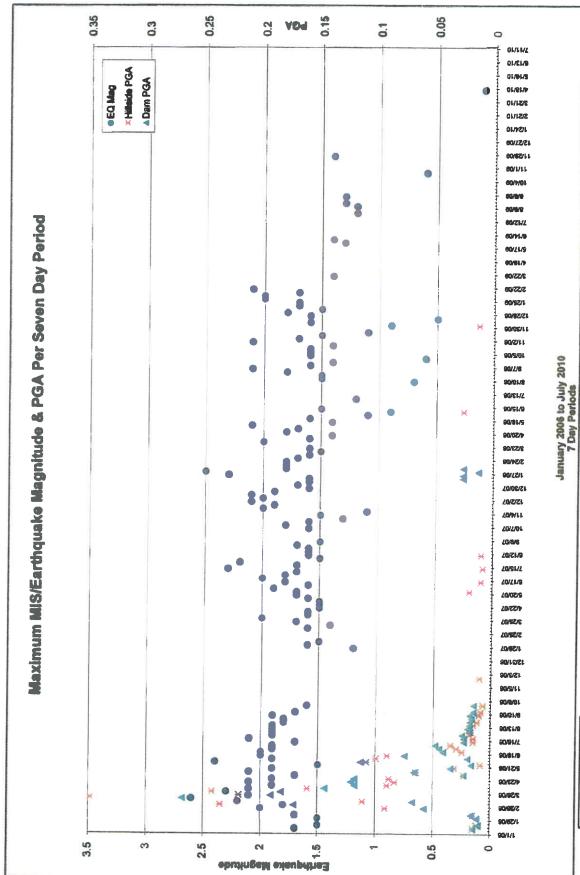




Figure A-4 a PEAK GROUND ACELLERATIONS AND MIS/EARTHQUAKE MAGNITUDES versus TIME GRASSY TRAIL DAM - CARBON COUNTY, UTAH

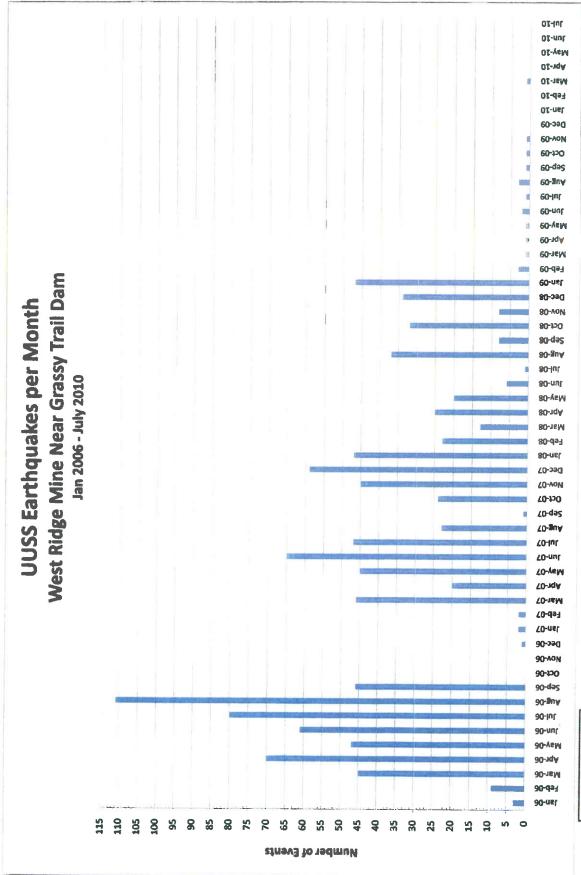




Figure A-5 NUMBER OF UUSS MIS/EARTHQUAKE EVENTS PER MONTH (SINCE JAN 1 2006) GRASSY TRAIL DAM - CARBON COUNTY, UTAH

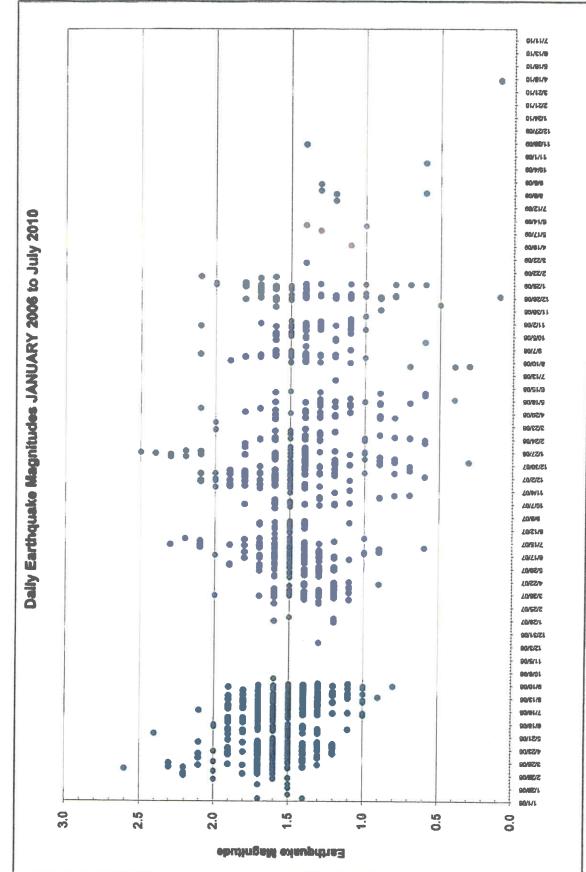
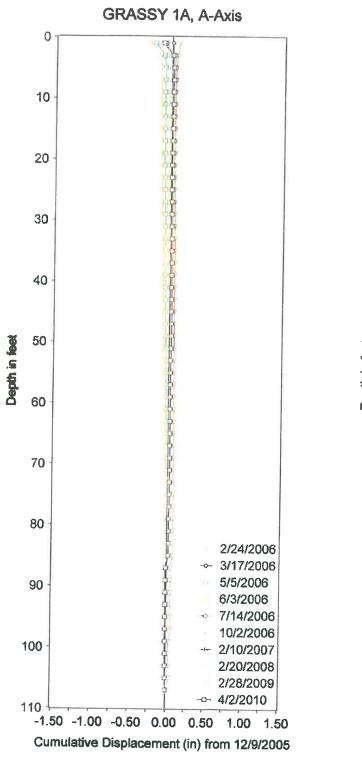
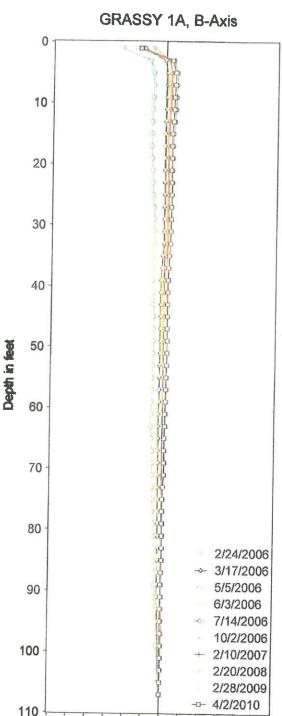




Figure A-6
Daily Earthquake Magnitudes (SINCE JAN 1 2006)
GRASSY TRAIL DAM - CARBON COUNTY, UTAH

Inclinometers





no significant movement observed

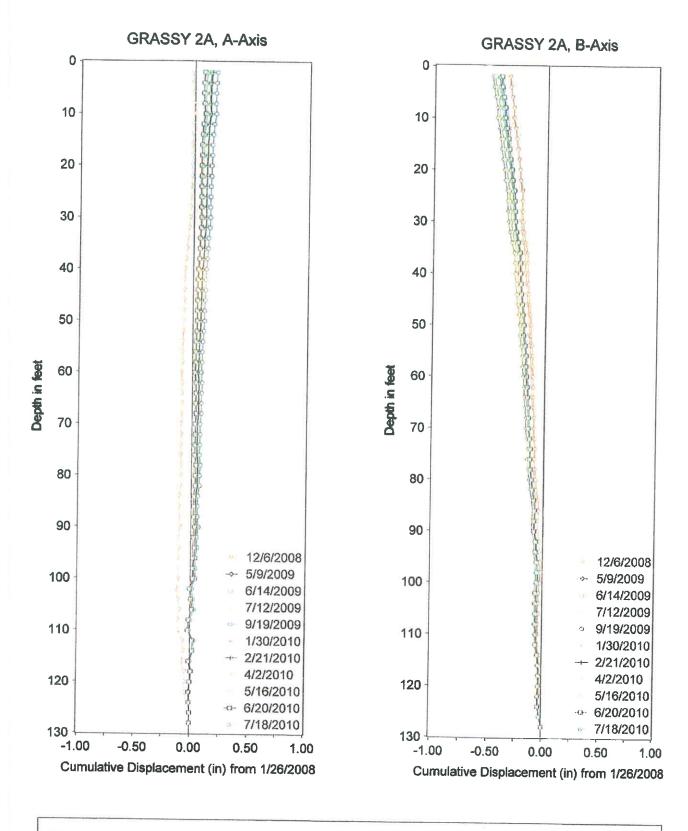
Figure B-1 Inclinometer 1 -Deflection Profiles Grassy Trail Dam, Carbon County, Utah

-1.50 -1.00 -0.50 0.00

0.50

Cumulative Displacement (in) from 12/9/2005

1.00 1.50

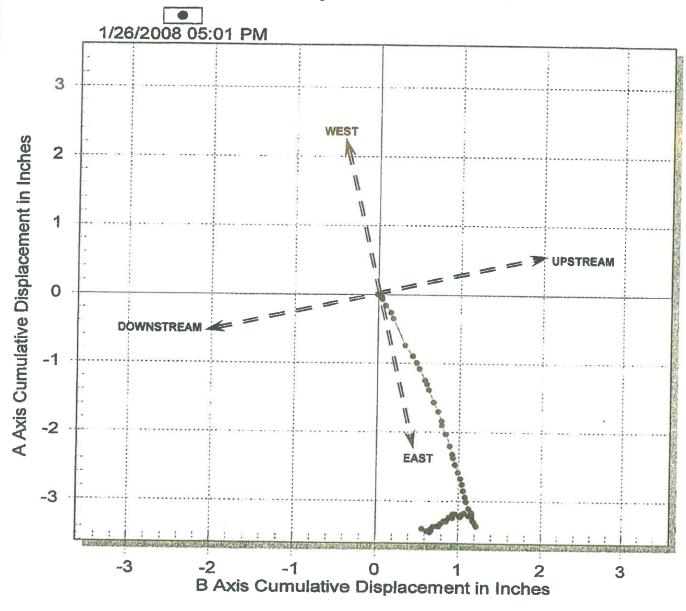


-15 dergree skew Bias-shift correction

Figure B-2 Inclinometer 2 - Deflection Profile Grassy Trail Dam, Carbon County, Utah

GRASSY:2A - A Axis vs B Axis

Initial survey: 7/20/2004 09:33 AM



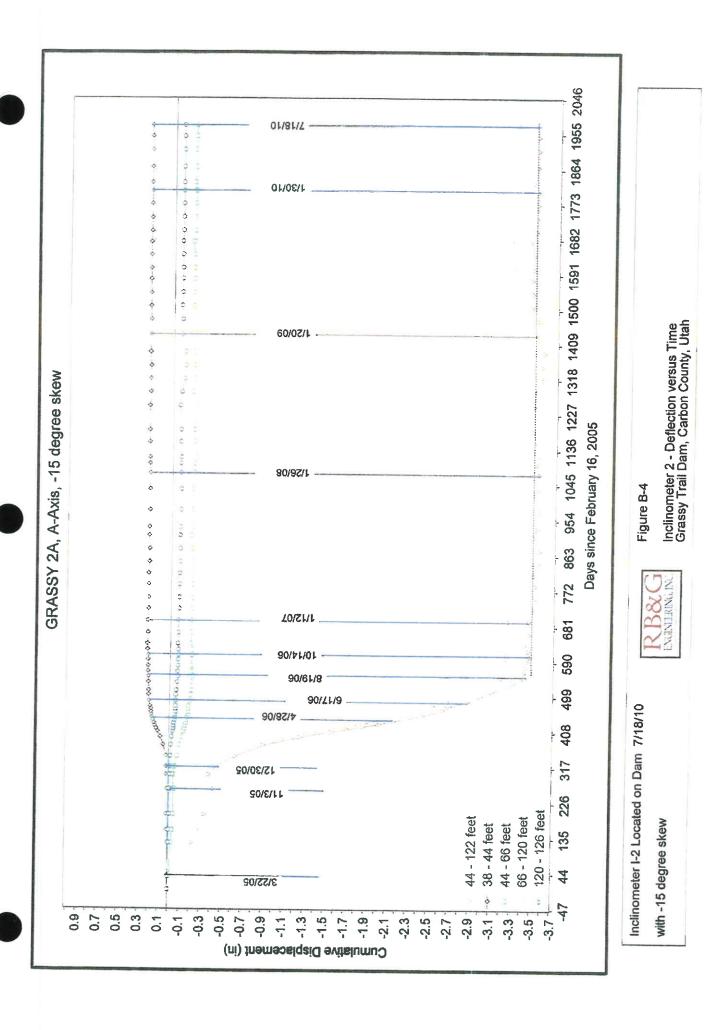


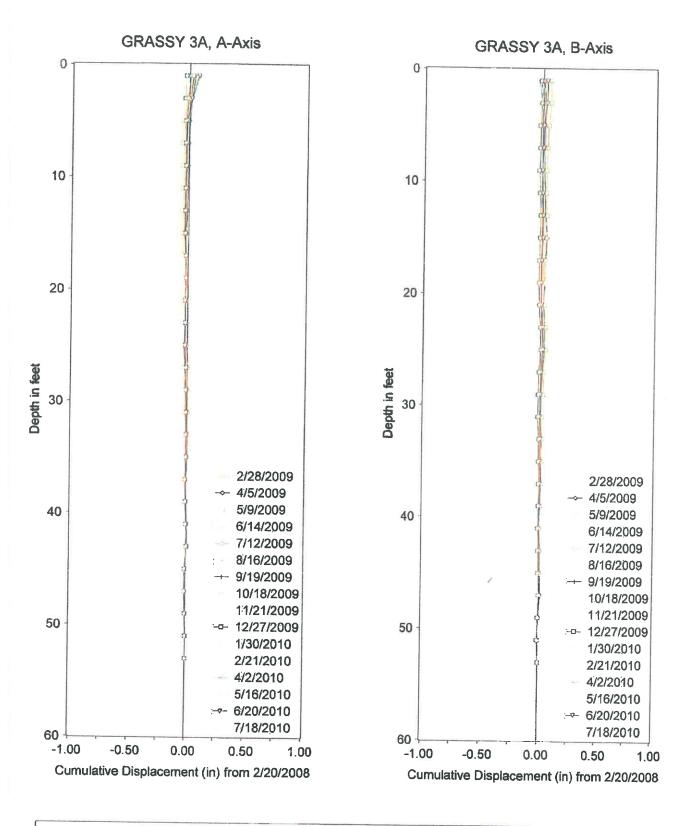
RB&G ENGINEERING INC.

PROVO, UTAH

FIGURE B-3

INCLINOMETER 2 - PLAN VIEW OF DEFLECTIONS
GRASSY TRAIL DAM AND RESERVOIR - CARBON COUNTY, UTAH

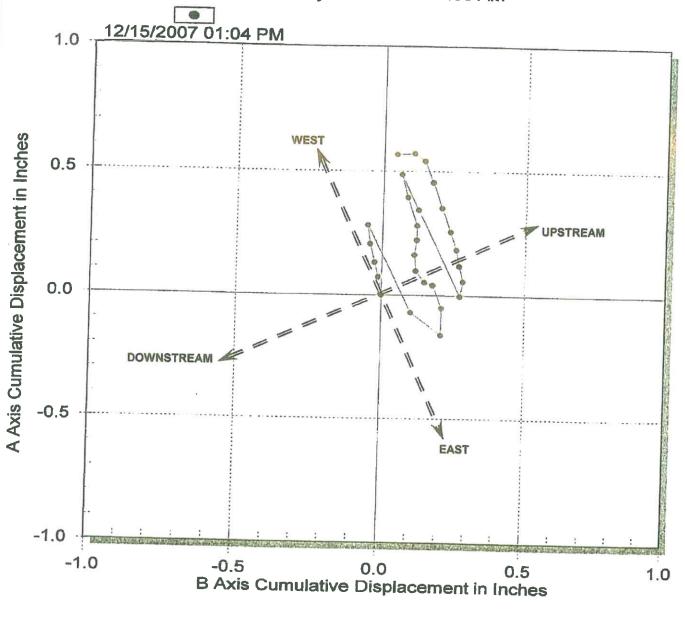




-30 degree skew
Figure B-5
Inclinometer 3 - Deflection Profile
Grassy Trail Dam, Carbon County, Utah

GRASSY:3A - A Axis vs B Axis

Initial survey: 7/20/2004 09:03 AM



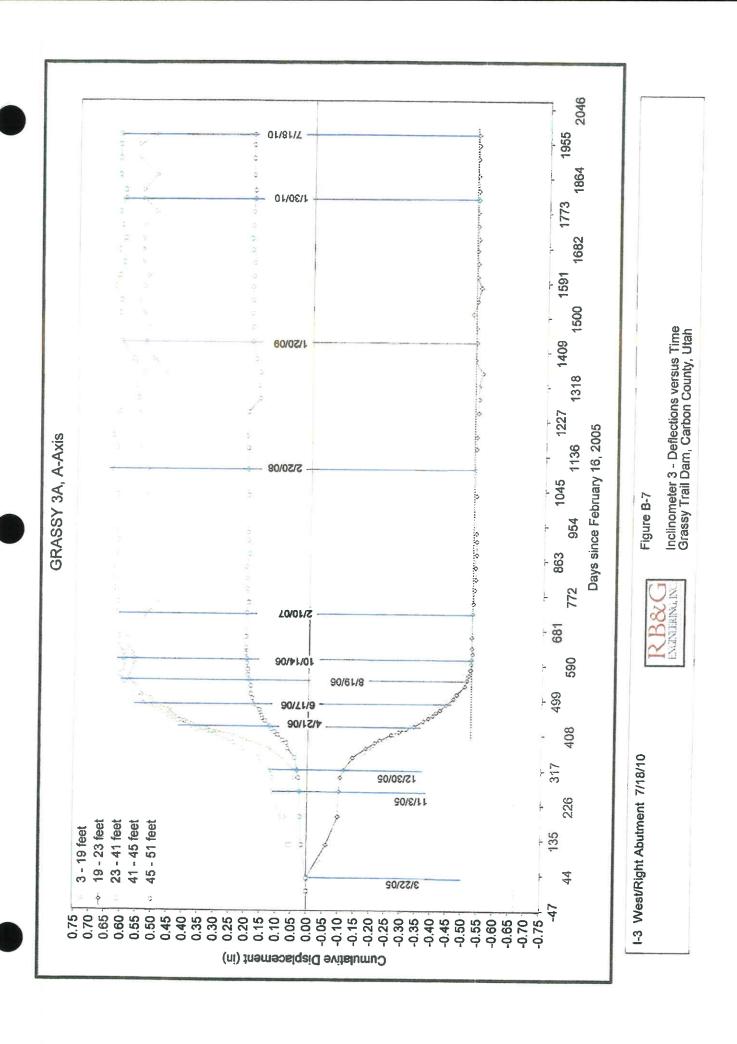


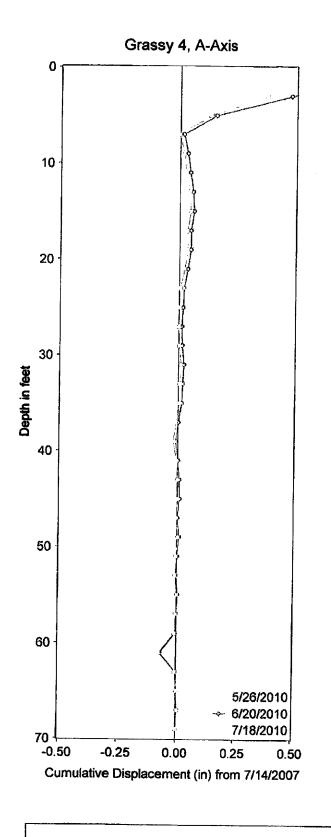
RB&G ENGINEERING INC.

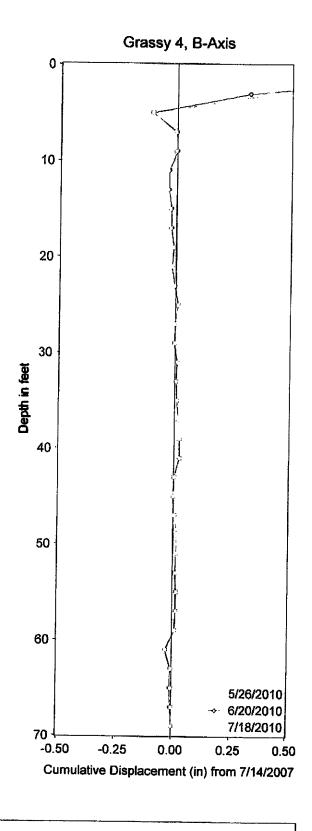
PROVO, UTAH

FIGURE B-6

INCLINOMETER 3 - PLAN VIEW OF DEFLECTIONS
GRASSY TRAIL DAM AND RESERVOIR - CARBON COUNTY, UTAH





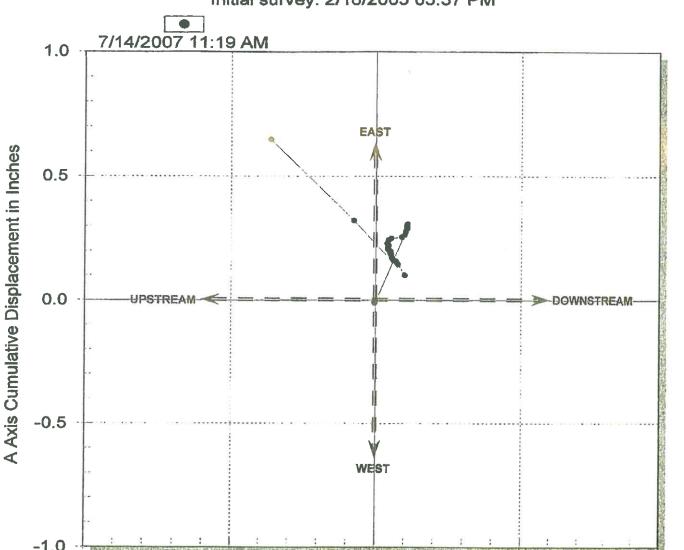


Repairs made 5/26/10 new survey may not match true with old surveys

Top few feet are loose

Figure B-8 Inclinometer 4 - Deflection Profile Grassy Trail Dam, Carbon County, Utah

Grassy:4 - A Axis vs B Axis Initial survey: 2/16/2005 05:37 PM



0.0

B Axis Cumulative Displacement in Inches



-1.0

RB&G ENGINEERING INC.

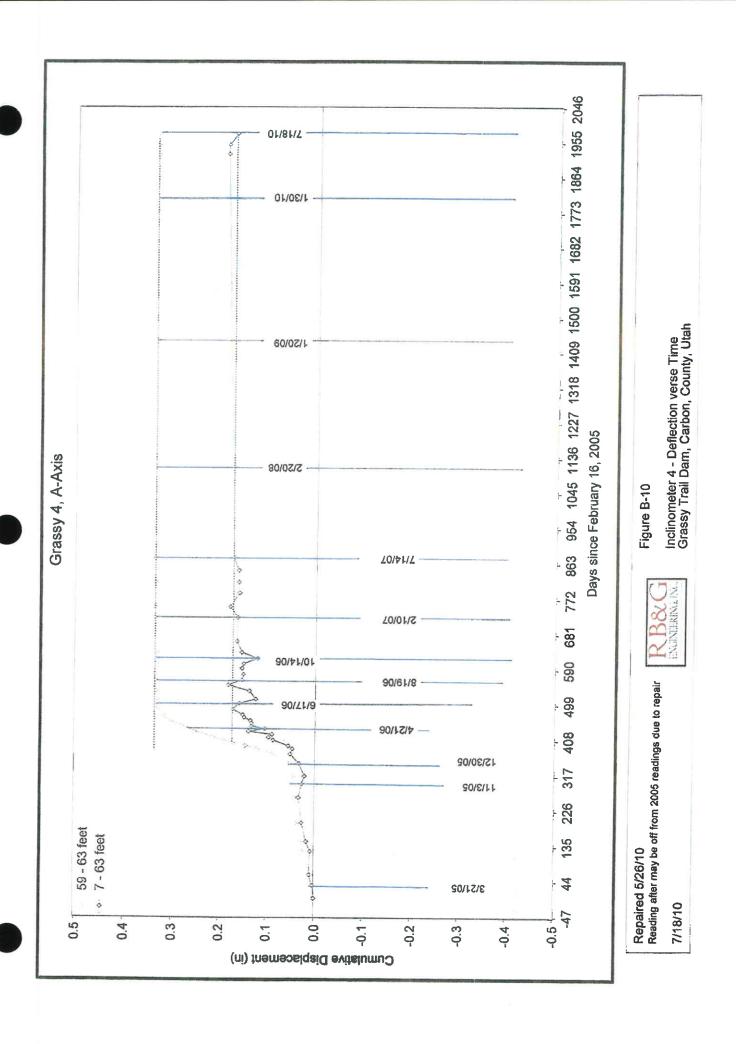
PROVO, UTAH

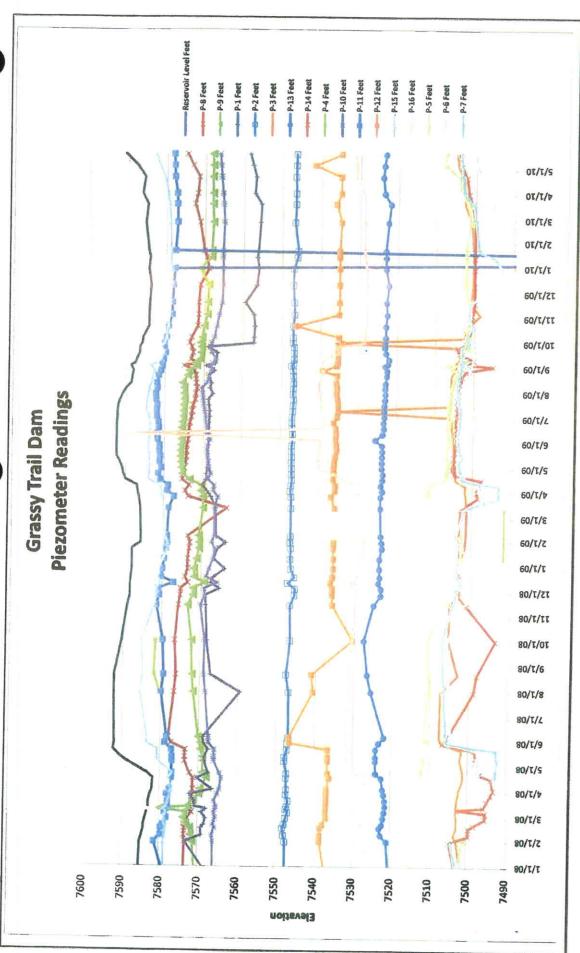
FIGURE B-9

-0.5

INCLINOMETER 4 - PLAN VIEW OF DEFLECTIONS
GRASSY TRAIL DAM AND RESERVOIR - CARBON COUNTY, UTAH

1.0

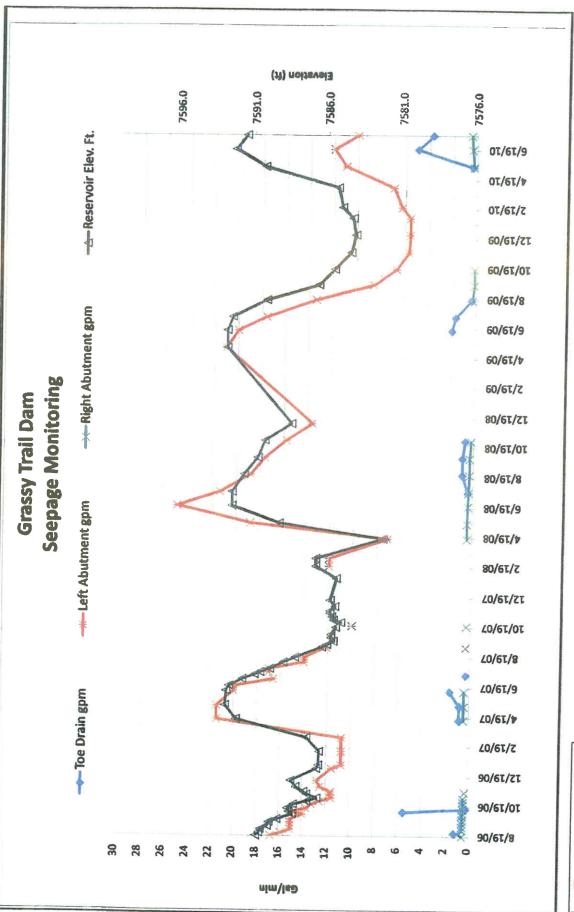






From 1/1/08 to 5/19/10 (data taken from Division of Natural Resources, Water Rights, Dam Saftey web site) Reservoir Elevation and Plezometer Readings GRASSY TRAIL DAM - CARBON COUNTY, UTAH Figure C-1

* NOTE - spikes are likely errors in data





Seepage Reading and Recervoir Water Levals Versus Time 8/19/06 to 7/18/10 GRASSY TRAIL DAM - CARBON COUNTY, UTAH



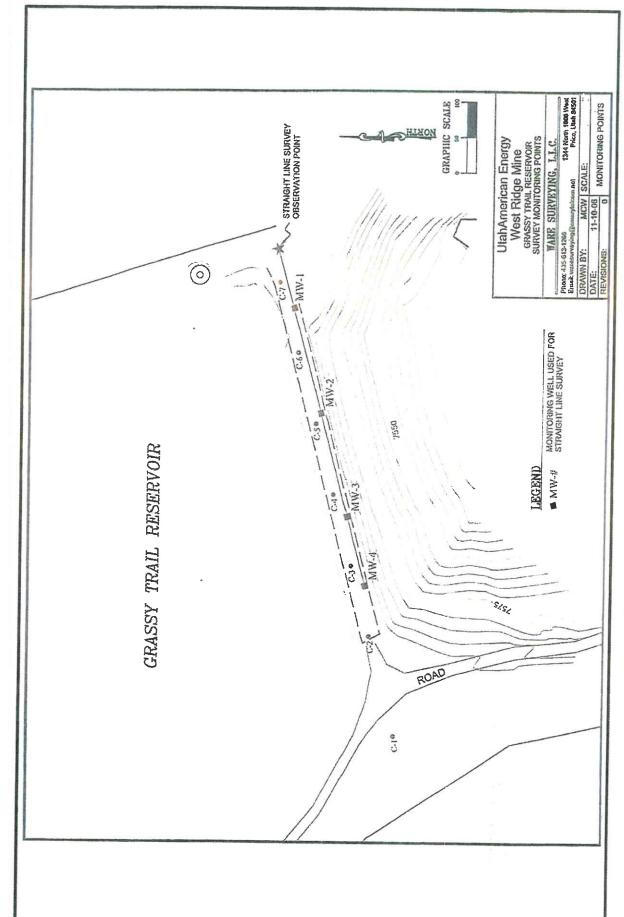




Figure C-3 Locations of Survey Points on Dam Crest
Project Grassy Trail Reservoir Mining Induced Seismicity
Location Carbon County, Utah

UtahAmerican Energy West Ridge Mine Grassy Trail Reservoir

GPS Survey Data Anticipated vertical accuracy ~ 0.08'+/-

NORTHING 38,509.85 EASTING 37,047.46		>			
EASTING				ZIW.	100
	38,509.85	38,555.42	38,610.87	38,828.21	38,719.59
	37,047.46	37,064.56	37,099.85	37,580.00	37,664.94
GPS survey date.					
September 2004	7789.87	7771.43	7739.26		
November 2004	7789.84	7771.39	7739.21		
August 2005	7789.75	7771.30	7739.13		
April 2006	7789.46	7771.02	7738.83		
October 2006	7789.39	7770.95	7738.66		
May 2007	7789.45	7771.00	7738.77		
October 2007	7789.45	7771.01	7738.76		
May 2008	7789.57	7771.10	7738.78	7565.52	7515 69
7/13/2008	7789.54	7771.12	7738.82	7565.54	7515.68
8/29/2008	7789.51	7771.08	7738.75	7565.51	7515.63
9/27/2008	7789.49	7771.05	7738.79	7565.52	7515.66
11/24/2008	7789.52	7771.09	7738.76	7565.54	7515.67
3/31/2009	7789.52	7771.07	7738.74	7565.55	7515.65
4/27/2009	7789.50	7771.05	7738.71	7565.53	7515.64
5/29/2009	7789.39	7771.01	7738.72	7565.48	7515.62
6/28/2009	7789.44	7771.08	7738.71	7565.50	7515.63
8/6/2009	7789.49	7771.12	7738.68	7565.49	7515.64
9/9/2009	7789.50	7771.10	7738.67	7565.51	7515.66
10/25/2009	7789.48	7771.11	7738.70	7565.50	7515.67
11/20/2009	7789.49	7771.10	7738.69	7565.49	7515.65
4/15/2010	7789.35	7770.99	7738.80	7565.49	7515.66
5/26/2010	7789.32	7770.91	7738.84	7565.50	7515.66
6/24/2010	7789.36	7770.96	7738.74	7565.46	7515.64
7/22/2010	7789.33	7770.93	7738.75	7565.48	7515.64



=WARE SURVEYING, L.L.C.=

1344 North 1000 West - Price, UT 84501 Office: 435-613-1266

Email: waresurveying@emerytelcom.net



UtahAmerican Energy West Ridge Mine Grassy Trail Reservoir Differential Level survey data

	5	C-2	53	3	5.5	90	C-7
NORTHING	38,830.55	38,865.88	38,892.13	38,917.88	38.943.74	38 969 37	28 996 D1
EASTING	37,333.20	37,471.64	37,570.28	37.668.82	37 767 40	37 866 16	37 064 74
Differential level survey							1,504.10
07/30/2002 Electrical	00000						
ON SOURCE ENVARION	/593.49	7590.63	7590.29	7590.67	7590.44	7590.08	7590.08
US/29/2003 Elevation	7593.50	7590.65	7590.31	7590.69	7590.46	7590.08	7590.08
10/2//2004 Elevation	7593.50	7590.62	7590.30	7590.68	7590.45	7590.08	7590.08
US/12/2005 Elevation	7593.52	7590.66	7590.32	7590.69	7590.46	7590.09	7590.08
03/21/2006 Elevation	7593.50	7590.70	7590.30	7590.68	7590.45	7590.09	7590 08
04/14/2006 Elevation	7593.53	7590.73	7590.31	7590.67	7590.44	7590.08	7590 08
05/4/2006 Elevation	7593.54	7590.75	7590.31	7590.66	7590.43	7590.08	7590.08
05/30/2006 Elevation	7593.55	7590.78	7590.31	7590.65	7590.43	7590.07	7590.08
08/11/2006 Elevation	7593,49	7590.79	7590.31	7590.64	7590.43	7590.07	7590.08
09/18/2006 Elevation	7593.51	7590.82	7590.33	7590.66	7590.43	7590.08	7590.08
Toros/2007 Elevation	7593.54	7590.83	7590.33	7590.67	7590.44	7590.08	7590.08
04/28/2008 Elevation	7593.59	7590.84	7590.34	7590.69	7590.45	7590.09	7590.08
05/30/2008 Elevation	7593.56	7590.82	7590.32	7590.65	7590.44	7590.09	7590.08
U//13/2008 Elevation	7593.56	7590.84	7590.33	7590.66	7590.44	7590.08	7590 08
08/29/2008 Elevation	7593.57	7590.83	7590.33	7590.67	7590.44	7590.08	7590.08
44/24/2000 Elevation	7593.56	7590.84	7590.34	7590.68	7590.45	7590.09	7590.08
A STORY SOUR EIGNATION	7593.55	7590.82	7590.32	7590.66	7590.44	7590.08	7590.08
02/24/2000 Elevation	(593.57	7590.83	7590.33	7590.67	7590.45	7590.08	7590.08
Odiotiono Elevation	7593.57	7590.83	7590.32	7590.67	7590.44	7590.08	7590.08
05/20/2009 Elevation	7593.58	7590.83	7590.33	7590.68	7590.45	7590.08	7590.08
OS/28/2009 Elevation	7093.59	7590.84	7590.33	7590.67	7590.44	7590.08	7590.08
ORIR/2009 Elevation	7093.07	7590.83	7590.33	7590.67	7590,44	7590.08	7590.08
09/9/2009 Elevation	7090.07	7590.84	7590.33	7590.68	7590.45	7590.08	7590.08
40/26/2000 Elevation	1393.56	7590.84	7590.33	7590.68	7590.45	7590.08	7590.08
10/20/2009 Elevation	7393.56	7590.84	7590.33	7590.68	7590.44	7590.08	7590.08
A 2/05/2040 Elevation	7593.56	7590.83	7590.32	7590.67	7590.44	7590.08	7590.08
04/45/2040 Elevation	7503.08	7590.84	7590.33	7590.67	7590,45	7590.08	7590.08
05/17/2010 Elevation	7503.50	7590.84	7590.34	7590.68	7590.46	7590.08	7590.08
OS 17120 10 Elevation	7503.58	7590.84	7590.33	7590.67	7590.45	7590.08	7590.08
07/27/2010 Elevation	7500.00	7590.84	7590.34	7590.68	7590.45	7590.08	7590.08
HONDADIA OLOGICA	0233.00	7590.83	7590 32	7500 60	1100 11		



= WARE SURVEYING, L.L.C.=

1344 North 1000 West - Price, UT 84501 Office: 435-613-1266 Email: waresurveying@emerytelcom.net





Utahramerican Energy West Ridge Mine Grassy Trail Reservoir

"Straight line" survey data

		Dist	Distance from control point to face of Monitoring Well (MW) in feet	itrol point to	face of Monito	ring Well (M)	W) in feet		
Date of survey	MW-1	MW-2	MW-3	MW-4	MW-5	WW-6	MW.7	Woot Mon	Straight Line
12/14/2006	94.21	141.49	245.90	295.13	394.71	493.96	556 71	TO THOSE	MOVEMBILL
1/31/2007	94.21	141.49	245.90	295.13	394 71	493 96	556 74	2 0	ON A
3/1/2007	94.21	141.49	245.90	295.13	394 71	403.06	EEE 74		0
3/29/2007	94.21	141.49	245 90	205 13	304 74	400.90	0000.71	an l	ON
5/30/2007	94.20	141 49	245 89	205.13	204.70	485.90	020.70	E	ON.
6/5/2007	94.20	144 40	245.00	200.12	394.70	493.94	556.70	na	S
7/2/2007	02.20	141.40	245.09	295.12	394.69	493.94	556.68	na	S S
40/0/2007	24.50	D 4 4.	245.89	295.12	394.69	493.94	556.69	па	No
44/40/9007	34.21	00.14	245.90	295.13	394.71	493.95	556.70	еп	SN N
42/27/2007	34.22	141.50	245.90	295.13	394.70	493.95	556.70	na	2
1414114001	94.27	141.50	245.91	295.13	394.71	493.95	eu	710.95	No.
#12012000	94.20	141.49	245.90	295.12	394.70	493.95	556.69	710.95	S
3/30/2000	94.20	141.49	245.90	295.12	394.70	493.94	556.69	710.94	ON CONTRACT
7/73/2008	94.20	141.49	245.90	295.12	394.70	493.95	556.69	710.94	2
8/28/2008	94.21	141.50	245.90	295.14	394.71	493.96	556.70	710.95	2 2
8/2//2008	94.21	141.50	245.91	295.14	394.71	493.96	556.70	710 95	2
11/24/2008	94.21	141.51	245.91	295.14	394.71	493.96	556 70	710.05	2
1/26/2009	94.20	141.50	245.91	295.13	394.71	493 96	556 70	740.04	ON.
2/23/2009	94.20	141.49	245.90	295 13	394 70	402.06	220.00	710.04	ON :
3/31/2009	94.20	141.50	245 90	295 13	304 74	193.30	200.00	10.94	S
4/27/2009	94.21	141 50	245 90	205.12	204.40	485.80	020.70	710.95	S N
5/29/2009	94.20	141 40	245.00	200.13	024.70	493.95	556.70	710.95	%
6/28/2009	94 21	74.54	245.90	285.12	394.70	493.95	556.69	710.95	No
8/6/2009	04.04	44.0	240.91	295.13	394.71	493.96	556.70	710.95	No No
9/9/2008	27.50	141.01	245.91	295.14	394.70	493.96	556.70	710.96	S.
10/25/2009	04.24	141.01	245.91	295.14	394.71	493,96	556.70	710.96	No
44/20/2000	04.04	10.14	245.91	295.14	394.71	493.96	556.70	710.96	ON.
2/5/2040	24.21	02.141	245.90	295.13	394.70	493.95	556.69	710.95	No
4/45/2010	24.2	141.50	245.90	295.13	394.70	493.95	556.69	710.95	2
4/13/2010	94.21	141.50	245.90	295.13	394.70	493.94	556.69	710 94	2 2
5/1/2010	94.21	141.50	245.90	295.13	394.70	493.95	556 69	710 95	02
0/24/2010	94.21	141.50	245.90	295.13	394.70	493.95	556.69	710.95	N N
1122/2010	94.21	141.50	245.90	295.13	394.70	493.95	556.70	710.95	2 2
Matac									2
NOIRS									



= WARE SURVEYING, L.L.C.=

1344 North 1000 West – Price, UT 84501 Office: 435-613-1266



Exhibit E-2

Memo

RB&G ENGINEERING, INC.

1435 W 820 N Provo, UT, 84601 Phone: 801-374-5771 Fax: 801-374-5773

To: Bret Dixon, Utah Dam Safety

Dave Shaver, West Ridge Resources

From: Brad Price, Rob Johnson

Date: November 14, 2007

Re: Updated Monitoring Schedule, Grassy Trail Dam & Reservoir

An overview of data obtained in the past year from instrumentation at Grassy Trail Reservoir was presented at a meeting held October 25, 2007. It was noted that very few mining-induced seismic events had been detected near the dam since mining of Panel 7 was completed. Ground movements detected at settlement points and inclinometers in the past year have lessened dramatically; however, it appears that very slight movements may be ongoing. It was determined at the October 25 meeting that the monitoring program should generally continue as it has over the past year; with some slight modifications. The revised monitoring program, to be adopted until further notice, is as follows.

Accelerometers

Under the present conditions, the accelerometers should be monitored on a monthly basis to ensure that they are working properly and to upload the records of any new events that occur. The hillside instrument requires recalibration at this time. As agreed at the meeting, we will send this instrument to the manufacturer for recalibration at the expense of the mine.

Inclinometers

Based on discussion at the meeting, and subsequent correspondence/discussion, we (RB&G Engineering) will visit the site to take inclinometer readings one each month until further notice. Inclinometer No. 4, located on the west rim of the reservoir, was damaged by a contractor working for Questar Gas Company. We received a phone call from Tim Blackham of Questar the week of October 29. 2007, who expressed the willingness of Questar and their contractor to pay for and participate in any repairs needed. Repair of this device is currently in progress.

Piezometers and Drains

The dam's owners (East Carbon City and Sunnyside City) will continue to take responsibility for these items. It was agreed at the meeting that water levels in the piezometers may now be measured every two weeks. Site visits to visually inspect the dam and record drain flows should continue on a weekly basis. Care should be taken to note any new cracking, slumping, seepage, discolored flow from drains, or other irregularities on the dam and surrounding slopes – particularly in the vicinity of the right (west) abutment.

Survey Points

The survey of points on the dam will continue to be the responsibility of the mine. Surveys will continue to be conducted at monthly intervals. The survey should provide horizontal and vertical coordinates for the monuments at the crest, mid-slope, and toe of the dam. The basis for the survey will be a point located on the left (east) abutment, which is assumed to be stationary based on monitoring performed to date. The survey accuracy should be \pm 0.01 foot vertical and \pm 0.02 foot horizontal.

EXHIBIT E-2 - PAGE 2 OF 2

Monitoring of Events Reported by University of Utah Seismic Station (UUSS)

RB&G Engineering will continue to perform daily reviews of the UUSS web site. The threshold criteria used to trigger an immediate site visit will remain in effect. If an event of magnitude greater than 3.0 is reported within 5 miles of the dam, thorough site reconnaissance and reading of accelerometer data will be performed within 24 hours. Reading of all other instrumentation will be performed if any recorded ground acceleration exceeds 0.2g.

Under the anticipated conditions, the proposed schedule of monitoring frequencies and responsibilities is summarized on the table below. The recommended frequency may be changed at any time if instrumentation readings, visual observations, or any other factor indicates that this program is insufficient.

ITEM(S) TO BE MONITORED	MONITORING FREQUENCY	MONITORING RESPONSIBILITY	FREQUENCY OF DATA DISTRIBUTION*
Inclinometers, & Reconnaissance by Geologist/Engineer	Monthly	RB&G Engineering	Monthly
Accelerometers	Monthly	RB&G Engineering	Monthly
Drains & Visual Inspections	Weekly	East Carbon City (forward data to RB&G weekly)	Monthly
Piezometers	Bi-Weekly	East Carbon City	Nomble.
Survey Points	Monthly	West Ridge Resources	Monthly
UUSS Website	Daily	RB&G Engineering unusual readings or observation	Monthly Monthly

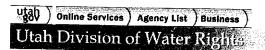
Data to be distributed to those listed below. Any unusual readings or observations to be reported to the group immediately.

Name DISTRIBUT	ON LIST - GRASSY TRAIL F	RESERVOIR MONITO	ORING INFORMATION
1 1011110	Organization	Telephone	email
** Andrews, Bruce	Sunnyside City	435-888-4444	sunny1@emerytelcom.net
Blake, John	Trust Lands	801-538-5152	jblake@utah.gov
Brinton, Peter	BLM/USO	801-539-4162	Peter Brinton@blm.gov
** Dean, Dana	DOGM	801-538-5259	danadean@utah.gov
Dixon, Bret	Utah Dam Safety	801-538-7373	bretdiven@utah.gov
Faddies, Tom	SITLA	801-538-5150	bretdixon@utah.gov
Falk, Stephen	BLM Price	435-636-3605	tomfaddies@utah.gov
Grubaugh-Littig, Pam	DOGM	801-538-5268	Steve Falk@bim.gov
Hansen, Michael	RB&G Engineering	801-374-5771	pamgrubaughlittig@utah.gov
Hedberg, Wayne	DOGM	801-538-5286	mhansen@rbgengineering.cor
Hess, Pete	DOGM - Price		waynehedberg@utah.gov
Houskeeper, Karl	DOGM - Price	435 613-1146 x203	petehess@utah.gov
Hudson, Gregg	BLM/USQ	435-613-1146 x201	karlhouskeeper@utah.gov
Kohler, James	BLM/USO	801-539-4040	Gregg Hudson@blm.gov
** LaFontaine, Orlando	East Carbon City	801-539-4037	James Kohlen@blm.gov
Llewelyn, Jason	Carbon Co. Emerg. Services	435-888-6613	ecc@emerytelcom.net
Marble, Dave	Utah Dam Safety	435-636-3251	illewelyn@co.carbon.ut.us
McKenzie, Jeff	BLM/USO	801-538-7376	davemarble@utah.gov
Perkes, Stan	BLM/USO	801-539-4038	Jeff McKenzie@blm.gov
Price, Brad		801-539-4036	Stan Perkes@blm.gov
Rigby, Steve	RB&G Engineering	801-374-5771	bprice@rbgengineering.com
Shaver, Dave	BLM / FS - Price	435-636-3604	steve rigby@blm.gov
	West Ridge Resources	435-888-4017	dshaver@coalsource.com
Stilson, Marc	Water Rights - Price	435-637-1303	marcstilson@utah.gov
Western, Wayne	DOGM ded since the previous list date	801-539 5363	waynewestem@utah.gov

^{**} Names changed or added since the previous list dated December 4, 2006.

APPENDIX 7-5 WATER RIGHTS SUMMARY

APPENDIX 7-5 WATER RIGHTS SUMMARY





(WARNING: Water Rights makes NO claims as to the accuracy of this data.) RUN DATE: 01/26/2011 WATER RIGHT: 91-28	
OWNERSHIP************************************	= *
NAME: East Carbon City (Public Water Supplier) ADDR: 200 East Park Place East Carbon UT 84520 INTEREST: 50% REMARKS:	=
NAME: Sunnyside City (Public Water Supplier) ADDR: P.O. Box 69 Sunnyside UT 84539 INTEREST: 50% REMARKS:	
DATES, ETC.************************************	<i>=</i>
LAND OWNED BY APPLICANT? COUNTY TAX ID#: FILED: 06/10/1913 PRIORITY: 06/10/1913 PUB BEGAN: FILED: 06/10/1913	=
Type of Right: Application to Appropriate Source of Info: Proposed Determination Status: Certificate	
LOCATION OF WATER RIGHT*** (Points of Diversion: Click on Location to access PLAT Program.) ************************************	
FLOW: 2.2 cfs SOURCE: Grassy Trail Creek COUNTY: Carbon COMMON DESCRIPTION:	
POINTS OF DIVERSION SURFACE: (1) S 2823 ft W 1166 ft from N4 cor, Sec 07, T 14S, R 14E, SLEM Diverting Works: (2) S 1163 ft W 644 ft from NE cor, Sec 18, T 14S, R 14E, SLEM Diverting Works: (3) N 1521 ft W 1983 ft from SE cor, Sec 29, T 14S, R 14E, SLEM Diverting Works: (4) N 307 ft E 124 ft from SW cor, Sec 01, T 15S, R 13E, SLEM Diverting Works: (5) N 1604 ft E 1245 ft from M4 cor, Sec 02, T 15S, R 13E, SLEM Diverting Works: (6) N 750 ft W 1345 ft from SE cor, Sec 03, T 15S, R 13E, SLEM Diverting Works: (7) S 566 ft E 4323 ft from NW cor, Sec 09, T 15S, R 13E, SLEM Diverting Works: (8) S 1149 ft E 1320 ft from NW cor, Sec 09, T 15S, R 13E, SLEM Diverting Works: (9) N 91 ft E 2390 ft from W4 cor, Sec 06, T 15S, R 14E, SLEM Diverting Works: Source: Sour	
IRRIGATION: Sole Supply: UNEVALUATED acres Group Total: 66.5 Div Limit: 266.0 acft. PERIOD OF USE: 06/15 TO 09/15 ater User's Claim No. 100 is limited to the irrigation requirements of 6.54 acres. ####PLACE OF USE: *NORTH WEST QUARTER*SOUTH WEST QUARTERSOUTH WEST QUARTERSOUTH WEST QUARTERSOUTH WEST QUARTER	H EAS1
Sec 03 T 15S R 13E SLBM * SW SE * NW NE SW SW SW SW SW SW SW S	
UPPLEMENTAL GROUP NO.: 613974. Water Rights Appurtenant to the following use(s): 1-28(CERT), 84(CERT), 114(WUC), 118(CERT), 125(WUC) 41(CERT), 158(CERT), 360(DEC), 361(DEC), 362(WUC) 63(DEC), 367(WUC), 368(WUC), 369(WUC), 372(DEC)	GROUP
IRRIGATION: Sole Supply: UNEVALUATED acres Group Total: 932.4 Div Limit: 3729.6 acft. PERIOD OF USE: 04/01 TO 10/31	
###PLACE OF USE: *NORTH WEST QUARTER*NORTH EAST QUARTER*SOUTH WEST QUARTER*SOUTH	ı Dyem
* NW NE SW SE * NW SE * NW NE SW SE * NW NE SW SE * NW S	
12.3000[14.0000[25.0300]34.2900*21.9500]	1

	Sec 03 T 15S R 13E SLB Sec 07 T 15S R 13E SLB Sec 08 T 15S R 13E SLB	M *	!	<u> </u>		*	-	-		*	-!	!	!*		7.40001
	Sec 10 T 15S R 13E SLB Sec 11 T 15S R 13E SLB	4 * 8.0000	39.6000		_ 2.5000 0 10.1000			31.0000 3.2000	11.9000	*40.0000 *	40.0000	40.0000	40.0000*	4.5500	39.5000 4
h	Sec 17 T 15S R 13E SLB Sec 18 T 15S R 13E SLB	<u>4</u> *	·	140.000	0 8.9000	* 40.000	140.0000	<u> </u>	40.0000	*			*		
	Sec 19 T 15S R 13E SLB Sec 24 T 15S R 13E SLB Sec 06 T 15S R 14E SLB	1 *		<u> </u>		*	10.1000	i	1 6.6000	*	14.8000	7.7000	112.0000*		
				·	_!	*	1		İ	*11.2800			*		CROWN
	SUPPLEMENTAL GROUP NO.: 91-28 (CERT), 37 (CERT), 84 125 (WUC), 141 (CERT), 158 (C 362 (WUC), 363 (DEC), 367 (WI 372 (DEC)	CERT), 114	Water H (WUC),11	Rights A _l 8(CERT)	ppurtenan	t to the	e followi	ng use(s):					4016223	GROUP
	IRRIGATION: Sole Suppl	y: UNEVAL	JATED ac	res	Group To	tal: 102	.85			 1.4 acft		IOD OF U	JSE: 04/01	l TO 10/	
	Sec 19 T 155 R 12E SLBM	* NW	NORTH WE	ST QUART I SW	ER	* * NW	NORTH EAS	ST QUARTE	R	: NW	SOUTH WES	T QUARTE	:R*-	s	OUTH EAST
	Sec 24 T 155 R 12E SLBM Sec 25 T 155 R 12E SLBM	*		!	¦;		<u>' </u>			<u>'</u>		12.1000	SE *		i_
	Sec 19 T 15S R 13E SLBM Sec 30 T 15S R 13E SLBM	*		<u> </u>	<u> </u>		2.6500					12.1000			3.7000 _
					1 4.3000*				*	4.7000		i	6 2000*		CROUD
	SUPPLEMENTAL GROUP NO.: 91-28 (CERT), 84 (CERT), 114 138 (MUC), 141 (CERT), 158 (C 362 (MUC), 363 (DEC), 367 (WU 372 (DEC) IRRIGATION: Sole Supply	(WUC), 118(ERT), 360(D C), 368(WUC	CERT), 12 EC), 361), 369 (WI	25 (WUC) (DEC) JC)	par conum	c to the	TOTTOWI	ig use(s)	:						
	IRRIGATION: Sole Supply ###PLACE OF USE:				•			DIV DI	MILL: 200	.o acrt.	PERI	OD OF US	SE: 04/01	TO 10/3	31
	Sec 10 T 15S R 13E SLBM	* NW /	ORTH WES	SW J	SE *	NW I	NE I	1 QUARTER	CE +	S	OUTH WEST	QUARTER	·····································	SC	OUTH EAST
	*=====================================							30.200012	23.0000	- 1		1	**	NW	NE GROUP
	91-28(CERT), 84(CERT), 114(141(CERT), 143(CERT), 145(C 159(CERT), 178(CERT), 360(D 363(DEC), 367(WUC), 368(WUC	WUC), 118 (1 ERT), 146 (1 EC), 361 (DI), 369 (WUC	Water Ri CERT), 12 WUC), 158 EC), 362(), 372(DE	5 (WUC) (CERT) WUC) C)	purtenant	to the	followin	g use(s)	:						
	IRRIGATION: Sole Supply	: UNEVALUA	ATED acr	 es G	roup Tota	 al: 15.6									
								DIV LIM	111: 62.5	oz acit.	PERI	OD OF US	E: 04/01	TO 10/3	1
	###PLACE OF USE:	*NC	ORTH WES	T OUARTE	R*-	NW I	יייייייייייייייייייייייייייייייייייייי	DIV LIM		oz acit.	PERI	OD OF US	E: 04/01	TO 10/3	
	###PLACE OF USE: <u>Sec 17 T 15S R 14E SLBM</u> <u>Sec 18 T 15S R 14E SLBM</u>	*NC * NW *	ORTH WES	T QUARTE SW	R*- SE *		ORTH EAST	QUARTER SW	SE *	NW 3.8000	DUTH WEST NE 5,2100	OD OF US OUARTER SW 5.8200	E: 04/01 * SE *	TO 10/3	UTH EAST
	###PLACE OF USE: Sec 17 T 15S R 14E SLBM Sec 18 T 15S R 14E SLBM *	*NC * NW *	DRTH WES	T QUARTE SW	R*- SE *		ORTH EAST	QUARTER SW	SE *	NW 3.8000	DUTH WEST NE 5,2100	OD OF US OUARTER SW 5.8200	E: 04/01 * SE *	TO 10/3	UTH EAST
	###PLACE OF USE: Sec 17 T 15S R 14E SLBM Sec 18 T 15S R 14E SLBM *===================================	* NW * NW * * * * * * * *	Water Ri ERT), 129	T QUARTE SW 	R*- SE * * *- * 	to the	ORTH EAST	QUARTER SW	SE *	3.8000	PERIODITH WEST NE	QUARTER SW 5.8200	E: 04/01 * SE * 0.8000*	TO 10/3	UTH EAST NE GROUP
	###PLACE OF USE: Sec 17 T 15S R 14E SLBM Sec 18 T 15S R 14E SLBM *===================================	* NW * NW * * * * * * * * * * * * *	Water Ri ERT), 129	GOUARTE SW	SE * * * * * * * * * * * * * * * * * * *	to the	ORTH EAST	QUARTER SW	SE *	3.8000	PERI. DUTH WEST NE	OD OF US QUARTER SW 5.8200	E: 04/01 * SE * 0.8000*	TO 10/3	UTH EAST NE GROUP
	###PLACE OF USE: Sec 17 T 15S R 14E SLBM Sec 18 T 15S R 14E SLBM *===================================	* NW * * * * * * * * *	NE	Ghts App Ghts App GWC) COLLARTES	SE * * purtenant	to the	ORTH EAST	QUARTER SW	SE * * * * * * * * * * * * * * * * * * *	3.9000 	PERIODUTH WEST NE	QUARTER SW 5.8200	E: 04/01 SE * 0.8000*	TO 10/3	UTH EAST NE GROUP
	###PLACE OF USE: Sec 17 T 15S R 14E SLBM Sec 18 T 15S R 14E SLBM *===================================	* NW * NW * 13978. (***********************************	NE	Ghts App Ghts App GWC) COLLARTES	SE * * purtenant	to the	ORTH EAST	QUARTER SW	SE * * * * * * * * * * * * * * * * * * *	3.9000 	PERIODUTH WEST NE	OD OF USE	E: 04/01 SE * 0.8000*	TO 10/3	UTH EAST NE GROUP
	###PLACE OF USE: Sec 17 T 15S R 14E SLBM Sec 18 T 15S R 14E SLBM *===================================	* NW	NE	T QUARTE SW	SE * coup Tota	to the	ORTH EAST NE following	OUARTER SW	SE * * * * * * * * * * * * * * * * * * *	3.8000 3.8000 acft.	PERIOUTH WEST NE 5.2100 PERIOUTH WEST NE PERIOUTH WEST	OD OF US QUARTER SW 5.8200 DO OF USE QUARTER SW	E: 04/01 SE * 0.8000* C: 04/01 * SE * 1	TO 10/3	UTH EAST NE GROUP GROUP THE EAST NE 45001
	###PLACE OF USE: Sec 17 T 15S R 14E SLBM Sec 18 T 15S R 14E SLBM *===================================	* NW * NW	NE	T QUARTE SW	SE * coup Tota	to the	ORTH EAST NE following	OUARTER SW	SE * * * * * * * * * * * * * * * * * * *	3.8000 3.8000 acft.	PERIOUTH WEST NE 5.2100 PERIOUTH WEST NE PERIOUTH WEST	OD OF US QUARTER SW 5.8200 DO OF USE QUARTER SW	E: 04/01 SE * 0.8000* C: 04/01 * SE * 1	TO 10/3	UTH EAST NE GROUP GROUP THE EAST NE 45001
	###PLACE OF USE: Sec 17 T 15S R 14E SLBM Sec 18 T 15S R 14E SLBM *===================================	* NW * NW	NE	ghts App (WUC) (CERT) DEC)	SE * SE * Coup Tota SE * SE *	to the	ORTH EAST NE following	OUARTER SW J use(s): Div Lim. QUARTER-SW Use(s):	SE **	2 acftso	PERIOUTH WEST NE	OD OF USE	E: 04/01 SE * 0.8000* E: 04/01	TO 10/3TO 10/31TO 10/31TO 10/31	UTH EAST NE GROUP GROUP THE EAST NE 45001
	###PLACE OF USE: Sec 17 T 15S R 14E SLBM Sec 18 T 15S R 14E SLBM *===================================	* NW * UNEVALUA * NW *	Water Ricert, 12: Water Ricert, 12: WEC, 361 TED acre	GUARTER SE * SE * SE * Ourtenant Coup Total	to the 1: 11.45	ORTH EAST NE following	OUARTER SW Juse(s): Div Lim QUARTER- SW Juse(s): Div Limi OUARTER- OUARTER- OUARTER-	se *	22 acrtS() NW 3.8000	PERIOUTH WEST OF PERIOUTH WEST	OD OF USE	E: 04/01 SE * 0.8000* C: 04/01 * 1 * 1 * 1 * 2 * 2 * 3 * 4 * 4 * 4 * 4 * 4 * 4 * 4 * 5 * 5 * 6 * 6 * 7 * 7 * 7 * 7 * 7 * 7 * 7 * 7 * 7 * 7	TO 10/3TO 10/31TO 10/31	UTH EAST NE GROUP THE EAST NE .4500! GROUP	
	###PLACE OF USE: Sec 17 T 15S R 14E SLBM Sec 18 T 15S R 14E SLBM *===================================	* NW * NW	Water Ri EERT), 125 EEC, 361 TED acre TED acre TED acre TED acre TED acre TED acre TED acre TED acre	GUARTER SE * SE * SE * Ourtenant Coup Total	to the	ORTH EAST NE following	OUARTER SW Juse(s): Div Lim QUARTER-SW Juse(s):	SE * t: 45.8 SE * t: 562.5	acftso	PERIOUTH WEST OF PERIOUTH WEST	QUARTER SW 5.8200 D OF USE COURTERSW	E: 04/01 SE * 0.8000* :: 04/01 * SE * 1 :: 04/01 T	TO 10/3 NW	UTH EAST NE GROUP TH EAST NE 4500 GROUP	
- - - - - -	###PLACE OF USE: Sec 17 T 15S R 14E SLEM Sec 18 T 15S R 14E SLEM *===================================	* NW * NW	NE	ghts App [(MUC) (DEC)) SS G: OUARTEF SW (MUC) (CERT) DEC) CUARTER SW QUARTER SW QUARTER SW	SE * coup Total coup Total coup Total	to the 1: 11.45	ORTH EAST NE following	OUARTERSW Div Lim QUARTERSW Div Limi OUARTERSW Div Limi OUARTERSW	SE *	2 acft	PERIODUTH WEST NE	OD OF USE OUARTER- SW OUARTER- S	E: 04/01 SE * 0.8000* C: 04/01 SE * 1 SE * 1 SE * 1 9300*20.	TO 10/31SOUNW SOUNW SOUN	UTH EAST NE GROUP TH EAST NE .4500 GROUP
	###PLACE OF USE: Sec 17 T 15S R 14E SLBM Sec 18 T 15S R 14E SLBM *===================================	* NW * NW	NRTH WEST NE	GUARTER SW	SE * coup Total coup Total coup Total	to the 1: 11.45	ORTH EAST NE following	OUARTERSW Div Lim QUARTERSW Div Limi OUARTERSW Div Limi OUARTERSW	SE *	2 acft	PERIODUTH WEST NE	OD OF USE OUARTER- SW OUARTER- S	E: 04/01 SE * 0.8000* C: 04/01 SE * 1 SE * 1 SE * 1 9300*20.	TO 10/31SOUNW SOUNW SOUN	UTH EAST NE GROUP TH EAST NE .4500 GROUP

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SUPPLEMENTAL GROUP NO.: 613981. Water Rights Appurtenant to the following use(s):
    91-28 (CERT), 44 (CERT), 114 (WUC), 118 (CERT), 125 (WUC)
139 (CERT), 140 (CERT), 141 (CERT), 142 (CERT), 143 (CERT)
145 (CERT), 146 (WUC), 158 (CERT), 159 (CERT), 178 (CERT)
360 (DEC), 361 (DEC), 362 (WUC), 363 (DEC), 367 (WUC)
     368 (WUC) , 369 (WUC) , 372 (DEC)
       DOMESTIC: Sole Supply: UNEVALUATED EDUS Group Total: 770.0000
                                                                                                       Div Limit: 560.56 acft. FERIOD OF USE: 01/01 TO 12/31
    Flow for domestic is part of flow for irrigation. Domestic use at unincorporated areas at
    SUPPLEMENTAL GROUP NO.: \underline{\textbf{613983}}. Water Rights Appurtenant to the following use(s):
    91-19(CERT), 28(CERT), 84(CERT), 99(CERT), 114(WUC)
118(CERT), 125(WUC), 141(CERT), 143(CERT), 145(CERT)
146(WUC), 158(CERT), 159(CERT), 178(CERT), 332(UGMC)
    360 (DEC), 361 (DEC), 362 (WUC), 363 (DEC), 367 (WUC)
368 (WUC), 369 (WUC), 372 (DEC)
      MINING: DISTRICT: Columbia
                                                                     NAME: Columbia
                                                                                                                                                     PERIOD OF USE: 01/01 TO 12/31
                           ORES: coal
                          Acre Feet Contributed by this Right for this Use: Unevaluated
   SUPPLEMENTAL GROUP NO.: 613984. Water Rights Appurtenant to the following use(s):
   91-28 (CERT), 84 (CERT), 114 (WUC), 118 (CERT), 125 (WUC)

141 (CERT), 143 (CERT), 145 (CERT), 158 (CERT), 159 (CERT)

360 (DEC), 361 (DEC), 362 (WUC), 363 (DEC), 367 (WUC)

368 (WUC), 369 (WUC), 372 (DEC)
     MINING: DISTRICT: Sunnyside
                                                                    NAME: Sunnyside
                                                                                                                                                     PERIOD OF USE: 01/01 TO 12/31
                          ORES: coal
                         Acre Feet Contributed by this Right for this Use: Unevaluated
   SUPPLEMENTAL GROUP NO.: 613985. Water Rights Appurtenant to the following use(s):
  91-28 (CERT), 84 (CERT), 114 (WUC), 118 (CERT), 125 (WUC)
141 (CERT), 143 (CERT), 145 (CERT), 146 (WUC), 148 (CERT)
149 (CERT), 150 (CERT), 159 (CERT), 159 (CERT), 178 (CERT)
183 (CERT), 360 (DEC), 361 (DEC), 362 (WUC), 363 (DEC)
367 (WUC), 368 (WUC), 369 (WUC), 372 (DEC)
                                               NAME: Horse Canyon
    MINING: DISTRICT: Columbia
                                                                                                                                                    PERIOD OF USE: 01/01 TO 12/31
                          ORES: Coal
  Administratively changed on Feb 14, 2007, by deleting the Domestic entry for 800 persons, and adding it to this Mining entry. The Mining was to employ and/or service the 800 persons.
                       In conjunction with the coal mining occuring at Horse Canyon. Acre Feet Contributed by this Right for this Use: Unevaluated
                                                                                                                                                   PERIOD OF USE: 01/01 TO 12/31
  SUPPLEMENTAL GROUP NO.: 614007. Water Rights Appurtenant to the following use(s): 91-28 (CERT), 84 (CERT), 114 (WUC), 118 (CERT), 125 (WUC) 141 (CERT), 146 (WUC), 158 (CERT), 360 (DEC), 361 (DEC) 363 (DEC), 367 (WUC), 368 (WUC), 369 (WUC), 369 (WUC)
  362 (WUC), 363 (DEC), 367 (WUC), 368 (WUC), 369 (WUC)
  372 (DEC)
   Sec 06 T 15S R 14E SLBM *
                                                                                                                              _*11.2800|__
 SUPPLEMENTAL GROUP NO.: 614158. Water Rights Appurtenant to the following use(s):
91-28 (CERT), 84 (CERT), 114 (WUC), 118 (CERT), 125 (WUC)
141 (CERT), 143 (CERT), 144 (CERT), 145 (CERT), 146 (WUC)
158 (CERT), 178 (CERT), 239 (APP), 360 (DEC), 361 (DEC)
362 (WUC), 363 (DEC), 367 (WUC), 368 (WUC), 369 (WUC)
                              .......
   MUNICIPAL: Sunnyside
                       Acre Feet Contributed by this Right for this Use: Unevaluated
SUPPLEMENTAL GROUP NO.: 614354. Water Rights Appurtenant to the following use(s): 91-28(CERT), 84(CERT), 114(WUC), 125(WUC), 231(CERT)
362(WUC), 367(WUC), 368(WUC), 369(WUC)
                                                                                              Div Limit: 0.0 acft.
   IRRIGATION: Sole Supply: UNEVALUATED acres
                                                                    Group Total: 222.1
                                                                                                                                                  PERIOD OF USE: 04/01 TO 10/15
WUC 91-231 is limited to the irrigation requirements of 160.0 acres.
                 : Water uses related to coal mining.
   INDUSTRIAL: Water uses related to coal mining.

Acre Feet Contributed by this Right for this Use: Unevaluated
                                                                                                                                                  PERIOD OF USE: 01/01 TO 12/31
                                         ---NORTH WEST QUARTER-----NORTH WEST QUARTER------
  ###PLACE OF USE:
###PLACE OF USE: * NW

Sec 13 T 14S R 14E SLBM *X

Sec 17 T 14S R 14E SLBM *X

Sec 18 T 14S R 14E SLBM *X

Sec 19 T 14S R 14E SLBM *X

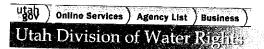
Sec 20 T 14S R 14E SLBM *X

Sec 21 T 14S R 14E SLBM *X

Sec 21 T 14S R 14E SLBM *X
                                                                                       ----NORTH EAST QUARTER-----*---SOUTH WEST QUARTER-----*--SOUTH EAST
                                              I SE * NW | NE
                                                                                                                                                   | SW
                                                                                                                                                               ΙX
                                                                     |X
                                                                                                                                                                                                  ١X
                                                                                                                                                                                                 İΧ
Sec 24 T 14S R 14E SLBM *X
                                                                                                                                                                ١x
```

5. 22															
Sec 28 T 14S R 14E SLBM		(X	[X	l X	*X	IX	IX	IX	*x						
Sec 29 T 14S R 14E SLBM		1X		X	*X	ix	IX	X	*X	IX IX	1X	ΙX	*X	X	ΙX
Sec 30 T 14S R 14E SLBM				1X	*X	ix	•	IX	*X	IX	IX	IX	*X	ΙX	١x
Sec 31 T 14S R 14E SLBM	*X		1X	1X	*X	X	IX	X	*X	1X	1X	X	*X	X	١x
Sec 32 T 14S R 14E SLBM	*X	١X		X	*X	ix	IX	X	*X		IX	X	*X	X	łX
Sec 33 T 14S R 14E SLBM			١X	(X	*X	X		IX	*X	IX IX	[X	X	*X	X	1X
Sec 34 T 14S R 14E SLBM	*X	IX	1X	l X	*X	ix			*X	IX IX	X	X	*X	1X	1X
Sec 01 T 15S R 13E SLBM	*	!	1	1	*	i i	1	1 2.3000		i v	ΙX	IX	*X	1X	ΙX
Sec 02 T 15S R 13E SLBM	* 3.5000	7.9000	20.5000	4.1000	*	i	·	1 2.5000	*	·!	!		*		.
Sec 03 T 15S R 13E SLBM		1	1	1	*	i	i		*	-{	!	_!	*	.1	_
Sec 10 T 15S R 13E SLBM	*	29.6000		3.6000	*11.7000	131,8000	1,1000	¦	<u>,</u>	·!	!	_ 3.5000		!	1 2
Sec 03 T 15S R 14E SLBM	*X			X ·	*X				*X	'x	1.77	-!	*	I	
Sec 04 T 15S R 14E SLBM	*X	ΙX	ΙX	X	*X					IX	IX				ΙX
Sec 05 T 15S R 14E SLBM	* 4.4000		l	1	٠	İ	i	1	*	14	ΙX	X	*X	X	١X
Sec 06 T 15S R 14E SLBM	*		2.5000	14.3000	-	0.2000	3.4000	7.2000	*12 2000	9 3000	!	-!	* *24.2000	1	.
This Right (91-28) has an This Right (91-28) is a m Storage from 03/15 to 12/	ember of	15 supp)	emental	water ri	ght gro	ups with	.0000 acı ======= irrigate	res. ======= ed acreac	ge total:	====== ing 1583	.4300 ac	res.			UP
Height of Dam: Area Inundated:	89 NOF	TH-WEST	· 020059	IFAIL RE NORTH-EAS W NE SW	SELVOII SE	SOUTH-V	naxımum o VEST%	apacity SOUTH	of 916.0 I-EAST≒	000 acre	-feet, 1	located in	1:		
Small Dam Required?: No															
OTHER COMMENTS*******		******	*****	*****	******	*****									
Also included in cla. WUC 91-28 is limited ************************************	im is Cer to the i	rrigatio	n requir	ements o	and the state of the state of the		******* ' A*****	******	******	******	******	********	******	**	

Utah Division of Water Rights | 1594 West North Temple Suite 220, P.O. Box 146300, Salt Lake City, Utah 84114-6300 | 801-538-7240 | Natural Resources | Contact | Disclaimer | Privacy Policy | Accessibility Policy | Emergency Evacuation Plan





(WARNING: Water Rights makes NO claims as to the accuracy of this data.) RUN DATE: 01/26/2011 ATER RIGHT: 91-84 APPLICATION/CLAIM NO.: A9462 CERT. NO.: 2047 HANGES: a2839	****
HANGES: a2839	****
AME: East Carbon City (Public Water Supplier) DDR: 200 East Park Place East Carbon UT 84520 VTEREST: 50% REMARKS: AME: Sunnyside UT 84539 VTEREST: 50% REMARKS:	*****
AME: East Carbon City (Public Water Supplier) DDR: 200 East Park Place	*****
AME: East Carbon City (Public Water Supplier) DDR: 200 East Park Place	*****
AME: East Carbon City (Public Water Supplier) DDR: 200 East Park Place East Carbon UT 84520 NTEREST: 50% REMARKS: AME: Sunnyside City (Public Water Supplier) DDR: P.O. Box 69 Sunnyside UT 84539 NTEREST: 50% REMARKS: AME: Sunnyside UT 84539 NTEREST: 50% REMARKS: AME: Sunnyside UT 84539 NTEREST: 50% REMARKS: AME: Sunnyside UT 84539 NTEREST: 50% REMARKS: AME: Sunnyside UT 84539 NTEREST: 50% REMARKS: AME: Sunnyside UT 84539 NTEREST: 50% REMARKS: AME: Sunnyside UT 84539 NTEREST: 50% REMARKS: AME: Sunnyside UT 84539 NTEREST: 50% REMARKS: AME: Sunnyside UT 84539 NTEREST: 50% REMARKS: AME: Sunnyside UT 84539 NTEREST: 50% REMARKS: AME: Sunnyside UT 84520 NTEREST: 50% REMAR	
East Carbon UT 84520 NTEREST: 50% REMARKS: AME: Sunnyside City (Public Water Supplier) DDR: P.O. Box 69 Sunnyside UT 84539 NTEREST: 50% REMARKS: AME: Sunnyside UT 84539 SUN SUNNYSIDE UT 84539 AME: SUNNYSIDE UT 84539	
NTEREST: 50% REMARKS: AME: Sunnyside City (Public Water Supplier) DDR: P.O. Box 69 Sunnyside UT 84539 TIEREST: 50% REMARKS: AVES, ETC.************************************	
AME: Sunnyside City (Public Water Supplier) JDR: P.O. Box 69 Sunnyside UT 84539 ATEREST: 50% REMARKS: ATEREST:	
Sunnyside UT 84539 VTEREST: 50% REMARKS: TTES, ETC.************************************	
NTES, ETC.************************************	
NND OWNED BY APPLICANT? COUNTY TAX ID#: LLED: 01/03/1924 PRIORITY: 01/31/1924 PUB BEGAN: PUB ENDED: INEWSPAPER.	
NNO OWNED BY APPLICANT? COUNTY TAX ID#: LED: 01/03/1924 PRIORITY: 01/31/1924 PUB BEGAN: PUB ENDED: INEWSPAPER.	*****
TENSION: [SE ACTION: [Approved] ActionDate: 09/14/1924 PROOF DATE	
ISH LETTR: (DEMOVATE. ILAPS LETTED.	
BOOK: [91-5] [MAP: [58c] [DUD DAWD	
De of Right. Application to A	*
Status: Certificate	
ON 2 0 of	****
SOURCE: Grassy Trail Creek UNTY: Carbon COMMON DESCRIPTION:	
INTS OF DIVERSION SURFACE:	
) S 2824 ft W 1166 ft from N4 cor, Sec 07, T 14S, R 14E, SLBM Diverting Works:	
) S 1163 ft W 644 ft from NE cor, Sec 18, T 14S, R 14E, SLBM Diverting Works:	
N 1521 ft W 1983 ft from SE cor, Sec 29, T 14S, R 14E, SLRM	
Diverting Works: S 1013 ft E 125 ft from W4 cor, Sec 01, T 15S, R 13E, SLBM	
Diverting works:	
Diverting Works.	
N 750 ft W 1345 ft from SE cor, Sec 03, T 15S, R 13E, SIRM	
Diverting Works: S 566 ft E 4323 ft from NW cor, Sec 09, T 155, R 13E, SLBM	
Diverting works:	
Diverting Works:	
N 91 ft E 2390 ft from W4 cor, Sec 06, T 155, R 14E, SLRM	
Diverting Works: Source:	
eam Alt Required?: No	
S OF WATER RIGHT****** ELU Equivalent Livestock Unit (cow, horse, etc.) ******* EDU Equivalent Domestic Unit or 1 Fa	==== milv
James and the control of the control	
PLEMENTAL GROUP NO.: 613926. Water Rights Appurtenant to the following use(s): 28(CERT), 84(CERT), 100(WUC), 114(WUC), 118(CERT) (WUC), 141(CERT), 158(CERT), 360(DEC), 361(DEC) (WUC), 363(DEC), 367(WUC), 368(WUC), 369(WUC)	
PLEMENTAL GROUP NO.: 613926. Water Rights Appurtenant to the following use(s): 28(CERT), 84(CERT), 100(WUC), 114(WUC), 118(CERT) (WUC), 141(CERT), 158(CERT), 360(DEC), 361(DEC) (WUC), 363(DEC), 367(WUC), 368(WUC), 369(WUC) (DEC)	
PLEMENTAL GROUP NO.: 613926. Water Rights Appurtenant to the following use(s): 28(CERT), 84(CERT), 100(WUC), 114(WUC), 118(CERT) (WUC), 141(CERT), 158(CERT), 360(DEC), 361(DEC) (WUC), 363(DEC), 367(WUC), 368(WUC), 369(WUC) (DEC) RRIGATION: Sole Supply: UNEVALUATED acres. Group Total (CC))/15
PLEMENTAL GROUP NO.: 613926. Water Rights Appurtenant to the following use(s): (8UC), 14(CERT), 94(CERT), 100(WUC), 114(WUC), 118(CERT) (WUC), 144(CERT), 158(CERT), 360(DEC), 361(DEC) (WUC), 363(DEC), 367(WUC), 368(WUC), 369(WUC) (DEC) (DEC) RRIGATION: Sole Supply: UNEVALUATED acres Group Total: 66.5 Div Limit: 266.0 acft. PERIOD OF USE: 06/15 TO 05 acr User's Claim No. 100 is limited to the irrigation requirements of 6.54 acres.	
PLEMENTAL GROUP NO.: 613926. Water Rights Appurtenant to the following use(s): (WUC), 141 (CERT), 100 (WUC), 114 (CWC), 118 (CERT) (WUC), 141 (CERT), 158 (CERT), 360 (DEC), 361 (DEC) (WUC), 363 (DEC), 367 (WUC), 368 (WUC), 369 (WUC) (WUC), 363 (DEC), 367 (WUC), 368 (WUC), 369 (WUC) RRIGATION: Sole Supply: UNEVALUATED acres Group Total: 66.5 Div Limit: 266.0 acft. PERIOD OF USE: 06/15 TO 05 EXECUTE: Supply: UNEVALUATED acres Group Total: 66.5 Div Limit: 266.0 acft. PERIOD OF USE: 06/15 TO 05 EXECUTE: WILLIAM TO USE: WILLIAM TO USE TO USE: WILLIAM TO USE TO USE: WILLIAM TO USE TO USE: WILLIAM TO USE	 SOUTH EAS
PLEMENTAL GROUP NO.: 613926. Water Rights Appurtenant to the following use(s): (WUC), 141 (CERT), 100 (WUC), 114 (CWC), 118 (CERT) (WUC), 141 (CERT), 158 (CERT), 360 (DEC), 361 (DEC) (WUC), 363 (DEC), 367 (WUC), 368 (WUC), 369 (WUC) (WUC), 363 (DEC), 367 (WUC), 368 (WUC), 369 (WUC) RRIGATION: Sole Supply: UNEVALUATED acres Group Total: 66.5 Div Limit: 266.0 acft. PERIOD OF USE: 06/15 TO 05 EXEMPLACE OF USE:NORTH WEST QUARTER	
PLEMENTAL GROUP NO.: 613926. Water Rights Appurtenant to the following use(s): [WUC], 141 (CERT], 94 (CERT], 360 (DEC), 361 (DEC) [WUC], 363 (DEC), 367 (WUC), 368 (WUC), 369 (WUC) [DEC] RRIGATION: Sole Supply: UNEVALUATED acres Group Total: 66.5 Div Limit: 266.0 acft. PERIOD OF USE: 06/15 TO 05 EXEMPLIANCE OF USE:	 SOUTH EAS
PLEMENTAL GROUP NO.: 613926. Water Rights Appurtenant to the following use(s): (WUC), 141 ((ERT), 100 (WUC), 114 (WUC), 118 (CERT) (WUC), 141 (CERT), 158 (CERT), 360 (DEC), 361 (DEC) (WUC), 363 (DEC), 367 (WUC), 368 (WUC), 369 (WUC) (DEC) RRIGATION: Sole Supply: UNEVALUATED acres	-SOUTH EAS
PLEMENTAL GROUP NO.: 613926. Water Rights Appurtenant to the following use(s): [WUC], 141 (CERT], 100 (WUC], 114 (WUC), 118 (CERT) [WUC], 141 (CERT], 150 (CERT), 360 (DEC) [WUC], 363 (DEC), 367 (WUC), 368 (WUC), 369 (WUC) [DEC] RRIGATION: Sole Supply: UNEVALUATED acres Group Total: 66.5 Div Limit: 266.0 acft. PERIOD OF USE: 06/15 TO 05 EXEMPLIANCE OF USE: NORTH WEST QUARTER-NORTH EAST QUARTER-SOUTH WEST Q	SOUTH EAS
PLEMENTAL GROUP NO.: 613926. Water Rights Appurtenant to the following use(s): (WUC), 141 (GERT), 100 (WUC), 118 (GERT), 361 (DEC) (WUC), 141 (GERT), 158 (GERT), 360 (DEC), 361 (DEC) (WUC), 363 (DEC), 367 (WUC), 368 (WUC), 369 (WUC) (WUC), 363 (DEC), 367 (WUC), 368 (WUC), 369 (WUC) (WUC), 363 (DEC), 367 (WUC), 368 (WUC), 369 (WUC) (WUC), 363 (DEC), 367 (WUC), 368 (WUC), 369 (WUC) (WUC), 363 (DEC), 367 (WUC), 368 (WUC), 369 (WUC) (WUC), 363 (DEC), 367 (WUC), 368 (WUC), 369 (WUC), 372 (DEC) (WUC), 361 (DEC), 361 (DEC), 362 (WUC) (WUC), 141 (CERT), 161 (CERT), 161 (DEC), 362 (WUC) (DEC), 367 (WUC), 368 (WUC), 369 (WUC), 372 (DEC) (WUC), 161 (CERT), 161 (DEC), 361 (DEC), 362 (WUC) (WUC), 161 (CERT), 161 (DEC), 361 (DEC), 362 (WUC) (WUC), 161 (CERT), 161 (DEC), 361 (DEC), 362 (WUC) (WUC), 161 (CERT), 161 (DEC), 361 (DEC), 362 (WUC) (WUC), 161 (CERT), 161 (DEC), 361 (DEC), 362 (WUC) (WUC), 161 (CERT), 161 (DEC), 361 (DEC), 362 (WUC) (WUC), 161 (CERT), 161 (DEC), 361 (DEC), 362 (WUC) (WUC), 161 (CERT), 161 (DEC), 361 (DEC), 362 (WUC) (WUC), 161 (CERT), 161 (DEC) (WUC), 1	SOUTH EAS
PLEMENTAL GROUP NO.: 613926. Water Rights Appurtenant to the following use(s): (WUC), 144 (CERT), 158 (CERT), 360 (DEC), 361 (DEC) (WUC), 363 (DEC), 367 (WUC), 368 (WUC), 369 (WUC) (WUC), 363 (DEC), 367 (WUC), 368 (WUC), 369 (WUC) (WUC), 363 (DEC), 367 (WUC), 368 (WUC), 369 (WUC) (WUC), 363 (DEC), 367 (WUC), 368 (WUC), 369 (WUC) (WUC), 363 (DEC), 367 (WUC), 368 (WUC), 369 (WUC) (WUC), 363 (DEC), 367 (WUC), 368 (WUC), 369 (WUC) (WUC), 363 (DEC), 367 (WUC), 368 (WUC), 369 (WUC) (WUC), 363 (DEC), 367 (WUC), 369 (WUC), 369 (WUC) (WUC), 144 (CERT), 158 (CERT), 125 (WUC) (WUC), 360 (DEC), 361 (DEC), 362 (WUC) (WUC), 361 (DEC), 362 (WUC), 362 (WUC) (WUC), 362 (WUC), 363 (WUC), 372 (DEC) (WUC), 368 (WUC), 362 (WUC), 372 (DEC) (WUC), 368 (WUC), 362 (WUC), 372 (DEC) (WUC), 368 (WUC), 362 (WUC), 372 (DEC) (WUC), 367 (WUC), 368 (WUC), 372 (DEC)	SOUTH EAS
PLEMENTAL GROUP NO.: 613926. Water Rights Appurtenant to the following use(s): [WUC], 141(CERT), 190(WUC], 114 (WUC], 118 (CERT) [WUC], 263 (DEC], 365 (DEC], 366 (DEC], 366 (DEC) [WUC], 368 (WUC], 368 (WUC), 368 (WUC), 369 (WUC) [WUC], 363 (DEC], 367 (WUC], 368 (WUC), 369 (WUC) [WUC], 363 (DEC], 367 (WUC), 368 (WUC), 369 (WUC) [WUC], 363 (DEC], 367 (WUC), 368 (WUC), 369 (WUC) [WUC], 363 (DEC], 367 (WUC), 368 (WUC), 369 (WUC) [WUC], 368 (WUC], 368 (WUC), 369 (WUC) [WUC], 368 (WUC], 368 (WUC), 369 (WUC) [WUC], 367 (WUC], 368 (WUC), 369 (WUC) [WUC], 367 (WUC), 368 (WUC), 369 (WUC), 372 (DEC) [WUC], 367 (WUC), 368 (WUC), 369	SOUTH EAS
PLEMENTAL GROUP NO.: 613926. Water Rights Appurtenant to the following use(s): (WUC), 141(CERT), 100(WUC), 114(WUC), 118(CERT), 160(DEC), 360(DEC), 361(DEC), 361(DEC), 361(DEC), 361(DEC), 361(DEC), 361(WUC), 361(DEC), 361(WUC), SOUTH EAS	

C 03 # 150 p															
Sec 07 T 15S R 13E SLB Sec 08 T 15S R 13E SLB		139.6000	ļ	2 5000	* *20.9500	!	1	1	*	_1	_1	ı	*38.3000	0139:5000	4
Sec 10 T 15S R 13E SLB	M * 8.0000	วิเ		110.1000		34.5000	31.0000 3.2000	111.9000	*40.00	40.000	140.000	40.0000	* 4.5500	1	1
Sec 11 T 15S R 13E SLB Sec 17 T 15S R 13E SLB	<u>M</u> *14.3000 √ *	·	140 0000	!	*	i	i	i	*	-¦	·	·¦	*		_
Sec 18 T 15S R 13E SLB	<u> </u>	¦	40.0000 31.5000		*40 0000	140 0000	!	140.0000	*		i	i	*	¦	-
Sec 19 T 15S R 13E SLBM Sec 24 T 15S R 13E SLBM	4 *31.9000			1	*	I	i	140.0000	*	_ 14.8000	7.7000	12.0000	*	!!	_
Sec 06 T 155 R 14E SLBN	1 *	·	!		*	10.1000	!	6,6000			<u> </u>	í		·¦	-
*=====			·——			'	1		*11.280		.1	!	*	·	_
SUPPLEMENTAL GROUP NO.: 91-28 (CERT).37 (CERT).84	613075	Water D	****		######################################							=======		GROU	P
				purtenan	it to the	followi	ng use(s	:):							
125 (WUC), 141 (CERT), 158 (C 362 (WUC), 363 (DEC), 367 (WU	CERT).360(DEC1 361	(DEC)												
372 (DEC)	JC), 368 (WU	C), 369 (W	JC)												
IRRIGATION: Sole Suppl	y: UNEVAL	UATED acr	res G	roup To								<i>.</i>			
###PLACE OF USE:											RIOD OF	USE: 04/	01 TO 10	/31	
	* NW					OKIN EAS	I QUAKTE	SK		-SOUTH WE	ידים מזוח ידים	G			r
Sec 19 T 15S R 12E SLBM	*	ii		_ 3E '	NW	NE I	SW	عد ا	NW	I NE	! SW	! SE	NM	NE I	
Sec 24 T 15S R 12E SLBM Sec 25 T 15S R 12E SLBM	*	!!	!							¦	12.1000 	¦;	<u> </u>	3,70001	_
Sec 19 T 15S R 13E SLBM	*				`	2.6500				-!				li	_
Sec 30 T 15S R 13E SLBM	*31.0000		22.20001	4.3000*					4.700	<u>-</u>	12.1000 	6.2000		-	_
* SUPPLY COURT NO			=======	*======	=======	======								GROUI	,
SOFFERENTAL GROUP NO.:	DI39/b.	Water Di	ighte Ann	urtenan	t to the	following	ig use(s)	· -		=======================================					=
91-28 (CERT), 84 (CERT), 114 138 (WUC), 141 (CERT), 158 (CI	(WUC). IIB	CERTI 12	5 (MITC)												
362 (WUC), 363 (DEC), 367 (WUC	C),368 (WUC	369 (WU	C)												
372 (DEC)															
IRRIGATION: Sole Supply															
											TOD OF T	SE: 04/0			
###PLACE OF USE:	*N	ORTH WEST													
	* NW	NE I	SW	SE *	NW I	NE I	CM I	K*		SOUTH WES	T QUARTE	R*	s	OUTH EAST	
Sec 10 T 15S R 13E SLBM			'	. 5.0000-			30.200012	23.0000*		11	ŀ	*	NM I	i	
*=====================================										*******				GROUP	-
SUPPLEMENTAL GROUP NO.: 6 91-28 (CERT), 84 (CERT), 114 (13977.	Water Ri	ghts Appu	urtenant	to the	followin	g use(s)	:							-
141 (CERT), 143 (CERT), 145 (C	ERT) 1460	WITC: 150	CEDTI												
159 (CERT), 178 (CERT), 360 (D	EC).361(D	EC) . 362 (W	MIC)												
363 (DEC), 367 (WUC), 368 (WUC	.1.369 (WUC														
), <u>372 (DEC</u>	2)												
IDDICATION - G-1 - 0			<u> </u>												
IRRIGATION: Sole Supply	: UNEVALUE	ATED acre	<u></u>									 SE: 04/0:		 31	
###PLACE OF USE:	: UNEVALUA	ATED acre	c) es Gr	oup Tota	al: 15,63		Div Lin	nit: 62.5	2 acft	PER					
###PLACE OF USE:	: UNEVALUA	ATED acre	c) es Gr	oup Tota	al: 15,63		Div Lin	nit: 62.5 *- SE *	2 acft NW	OUTH WES	C QUARTEI				
###PLACE OF USE:	*NO	ATED acre	c) es Gr	oup Tota	al: 15,63		Div Lin	nit: 62.5 *- SE *	2 acft NW 3.8000	OUTH WES	QUARTEI SW 5.8200	SE *			
###PLACE OF USE: Sec 17 T 15S R 14E SLBM Sec 18 T 15S R 14E SLBM	*NO	ATED acre	es Gr QUARTER SW	SE *	NW	ORTH EAST	Div Lin QUARTER SW	sE *	NW 3.8000	FER SOUTH WES NE	COUARTEI SW 5.82001	SE *	NW	DUTH EAST NE	
###PLACE OF USE: Sec 17 T 15S R 14E SLBM Sec 18 T 15S R 14E SLBM *	: UNEVALUATION	ORTH WEST	S Gr QUARTER SW	SE *	al: 15.63	DRTH EAST	Div Lin	se *	NW 3.8000	FER SOUTH WES NE	COUARTEI SW 5.82001	SE *	NW		-
###PLACE OF USE: Sec 17 T 15S R 14E SLBM Sec 18 T 15S R 14E SLBM *===================================	* NW * 13978.	ATED acre	C) CS Gr OUARTER SW	SE *	al: 15.63	DRTH EAST	Div Lin	se *	NW 3.8000	FER SOUTH WES NE	COUARTEI SW 5.82001	SE *	NW	DUTH EAST NE	
###PLACE OF USE: Sec 17 T 15S R 14E SLBM Sec 18 T 15S R 14E SLBM **** SUPPLEMENTAL GROUP NO.: 6 91-28 (CERT), 84 (CERT), 114 (137 (CERT), 158 (CI	: UNEVALUA * NW *	ORTH WEST NE	S Gr QUARTER SW	SE *	al: 15.63	DRTH EAST	Div Lin	se *	NW 3.8000	FER SOUTH WES NE	COUARTEI SW 5.82001	SE *	NW	DUTH EAST NE	
###PLACE OF USE: Sec 17 T 15S R 14E SLBM Sec 18 T 15S R 14E SLBM *===================================	: UNEVALUA * NW *	ORTH WEST NE	S Gr QUARTER SW	SE *	al: 15.63	DRTH EAST	Div Lin	se *	NW 3.8000	FER SOUTH WES NE	COUARTEI SW 5.82001	SE *	NW	DUTH EAST NE	:
###PLACE OF USE: Sec 17 T 15S R 14E SLBM Sec 18 T 15S R 14E SLBM *===================================	: UNEVALU. *NW * NW * 13978. WUC) 118 (CERT), 360 (ERT), 368 (WUC)	ATED acre ORTH WEST NE	C) SS Gr QUARTER SW	SE * * srtenant	al: 15.63	RTH EAST NE	Div Lim	SE *	NW 3.8000	SOUTH WES	QUARTE SW 5.8200	SE * 0.8000*	NW	DUTH EAST NE	
###PLACE OF USE: Sec 17 T 15S R 14E SLBM Sec 18 T 15S R 14E SLBM *	: UNEVALU. * NW * * * * 13978. WUC), 118((ERT), 360(E L), 368(WUC)	ATED acre	C) CS Gr QUARTER SW J ghts Appu (WUC) DEC) L	SE * *	to the	RTH EAST NE	QUARTER SW 	SE *	NW 3.8000	SOUTH WES	T QUARTEI SW 5.8200	SE * 0.8000*	NW	OUTH EAST NE 	:
###PLACE OF USE: Sec 17 T 15S R 14E SLBM Sec 18 T 15S R 14E SLBM *===================================	: UNEVALU. * NW * NW * * 13978. WUC) 118 (CERT), 360 (ERT), 360 (WUC) : UNEVALUA	ATED acre	S Gr QUARTER SW	oup Tota	to the 1	RTH EAST NE	Div Lim	se *	NW 3.8000	PER	QUARTEI SW 5.8200	SE * 0.8000* E: 04/01	NW	DUTH EAST NE	- · :
###PLACE OF USE: Sec 17 T 15S R 14E SLBM Sec 18 T 15S R 14E SLBM *	: UNEVALU. * NW * * 13978. WUC), 118((ERT), 360(E L, 368(WUC) : UNEVALUA * NW	ATED acre	S Gr QUARTER SW	oup Tota	1: 11.45	RTH EAST	Div Lim QUARTER SW J J J J J J J Div Lim QUARTER	se * * * * * * * * * * * * * * * * * * *	NW 3.8000	SOUTH WES	OD OF US	SE * 0.8000* E: 04/01	NW	DUTH EAST NE	:
###PLACE OF USE: Sec 17 T 15S R 14E SLBM Sec 18 T 15S R 14E SLBM *===================================	: UNEVALU. * NW * * 13978. WUC), 118((ERT), 360(E L, 368(WUC) : UNEVALUA * NW	ATED acre	S Gr QUARTER SW	oup Tota	1: 11.45	RTH EAST	Div Lim	se * * * * * * * * * * * * * * * * * * *	NW 3.8000	SOUTH WES	OD OF US	SE * * 0.8000*	TO 10/3	GROUP GROUP 1 1 1 1 1 NE	- · ·
###PLACE OF USE: Sec 17 T 15S R 14E SLBM Sec 18 T 15S R 14E SLBM ** SUPPLEMENTAL GROUP NO.: 6 91-28 (CERT), 84 (CERT), 114(1 137 (CERT), 141 (CERT), 1158 (C) 362 (WUC), 363 (DEC), 367 (WUC 372 (DEC) IRRIGATION: Sole Supply: ###PLACE OF USE: Sec 02 T 15S R 13E SLBM **	: UNEVALU. * NW * * 13978. WUC), 118((ERT), 360(I), 368(WUC) : UNEVALUA * NW NW	Water Rig ERT], 125 EEC], 361 (L., 369 (WUC	COURTER SW	SE * * * * * * * * * * * * * * * * * * *	to the s	ORTH EAST NE	Div Lim QUARTER SW Juse(s): Div Lim QUARTER SW	sE * *	NW 3.8000	PERIOUTH WEST	OD OF US	SE * * 0.8000* E: 04/01 SE * *	S(NW 1	UUTH EAST NE GROUP I UTH EAST NE 1.45001	
###PLACE OF USE: Sec 17 T 15S R 14E SLBM Sec 18 T 15S R 14E SLBM ****** SUPPLEMENTAL GROUP NO.: 6 91-28 (CERT), 84 (CERT), 114 (I 137 (CERT), 141 (CERT), 158 (CI 362 (WUC), 363 (DEC), 367 (WUC) IRRIGATION: Sole Supply: ###PLACE OF USE: Sec 02 T 15S R 13E SLBM ***** SUPPLEMENTAL GROUP NO.: 63	: UNEVALUA * NW * NW * 13978. WUC), 118((ERT), 360(I), 368(WUC) : UNEVALUA * NW NW 13979.	Water Rigital Acres	COUARTER SW	SE * * * * * * * * * * * * * * * * * * *	to the s	ORTH EAST NE	Div Lim QUARTER SW Juse(s): Div Lim QUARTER SW	sE * *	NW 3.8000	PERIOUTH WEST	OD OF US	SE * * 0.8000* E: 04/01 SE * *	S(NW 1	UUTH EAST NE GROUP I UTH EAST NE 1.45001	
###PLACE OF USE: Sec 17 T 15S R 14E SLBM Sec 18 T 15S R 14E SLBM **** SUPPLEMENTAL GROUP NO.: 6 91-28 (CERT), 84 (CERT), 114 (I) 137 (CERT), 141 (CERT), 158 (CI 362 (WUC), 363 (DEC), 367 (WUC) 372 (DEC) IRRIGATION: Sole Supply: ###PLACE OF USE: Sec 02 T 15S R 13E SLBM *** *** SUPPLEMENTAL GROUP NO.: 65 91-28 (CERT), 84 (CERT), 114 (III)	* UNEVALUA * NW * NW * 13978. * WUC), 118 (C ERT], 360 (I), 368 (WUC) * UNEVALUA * NW NW 13979.	Water Rig	COUARTER SW CO	SE * * * * * * * * * * * * * * * * * * *	to the s	ORTH EAST NE	Div Lim QUARTER SW Juse(s): Div Lim QUARTER SW	sE * *	NW 3.8000	PERIOUTH WEST	OD OF US	SE * * 0.8000* E: 04/01 SE * *	S(NW 1	UUTH EAST NE GROUP I UTH EAST NE 1.45001	-
###PLACE OF USE: Sec 17 T 15S R 14E SLBM Sec 18 T 15S R 14E SLBM Sec 18 T 15S R 14E SLBM ***********************************	13978. WUC), 118(C ERT), 360 (U), 368 (WUC) UNEVALUA LAMB I 13979. WUC), 118 (C ERT), 143 (C ERT), 178 (CE	Water Rig EERI, 125 DECI, 361 (L., 369 (WUC) WATER RIG WATER RIG WEST NE WATER RIG WEST NE	COURTER SW	SE * * * * * * * * * * * * * * * * * * *	to the s	ORTH EAST NE	Div Lim QUARTER SW Juse(s): Div Lim QUARTER SW	sE * *	NW 3.8000	PERIOUTH WEST	OD OF US	SE * * 0.8000* E: 04/01 SE * *	S(NW 1	UUTH EAST NE GROUP I UTH EAST NE 1.45001	
###PLACE OF USE: Sec 17 T 15S R 14E SLBM Sec 18 T 15S R 14E SLBM Sec 18 T 15S R 14E SLBM ***** SUPPLEMENTAL GROUP NO.: 6 91-28 (CERT), 84 (CERT), 114 (I) 137 (CERT), 141 (CERT), 158 (CI 362 (WUC), 363 (DEC), 367 (WUC) IRRIGATION: Sole Supply: ###PLACE OF USE: Sec 02 T 15S R 13E SLBM *** **** SUPPLEMENTAL GROUP NO.: 6: 91-28 (CERT), 84 (CERT), 114 (M 140 (CERT), 141 (CERT), 142 (CERT), 142 (CERT), 143 (CERT), 143 (CERT), 159 (CERT) 361 (DEC), 362 (WUC), 363 (DEC)	13978. WUC), 118(C ERT), 360 (U), 368 (WUC) UNEVALUA LAMB I 13979. WUC), 118 (C ERT), 143 (C ERT), 178 (CE	Water Rig EERI, 125 DECI, 361 (L., 369 (WUC) WATER RIG WATER RIG WEST NE WATER RIG WEST NE	COURTER SW	SE * * * * * * * * * * * * * * * * * * *	to the s	ORTH EAST NE	Div Lim QUARTER SW Juse(s): Div Lim QUARTER SW	sE * *	NW 3.8000	PERIOUTH WEST	OD OF US	SE * * 0.8000* E: 04/01 SE * *	S(NW 1	UUTH EAST NE GROUP I UTH EAST NE 1.45001	- :
###PLACE OF USE: Sec 17 T 15S R 14E SLBM Sec 18 T 15S R 14E SLBM Sec 18 T 15S R 14E SLBM ***********************************	13978. WUC), 118(C ERT), 360 (U), 368 (WUC) UNEVALUA LAMB I 13979. WUC), 118 (C ERT), 143 (C ERT), 178 (CE	Water Rig EERI, 125 DECI, 361 (L., 369 (WUC) WATER RIG WATER RIG WEST NE WATER RIG WEST NE	COURTER SW	SE * * * * * * * * * * * * * * * * * * *	to the s	ORTH EAST NE	Div Lim QUARTER SW Juse(s): Div Lim QUARTER SW	sE * *	NW 3.8000	PERIOUTH WEST	OD OF US	SE * * 0.8000* E: 04/01 SE * *	S(NW 1	UUTH EAST NE GROUP I UTH EAST NE 1.45001	
###PLACE OF USE: Sec 17 T 15S R 14E SLBM Sec 18 T 15S R 14E SLBM Sec 18 T 15S R 14E SLBM ***** SUPPLEMENTAL GROUP NO.: 6 91-28 (CERT), 84 (CERT), 114 (I) 137 (CERT), 141 (CERT), 159 (CI 362 (WUC), 363 (DEC), 367 (WUC) 372 (DEC) IRRIGATION: Sole Supply: ###PLACE OF USE: Sec 02 T 15S R 13E SLBM *** **** SUPPLEMENTAL GROUP NO.: 6: 91-28 (CERT), 84 (CERT), 114 (M 140 (CERT), 141 (CERT), 142 (CERT), 143 (CERT), 144 (CERT), 159 (CERT) 361 (DEC), 362 (WUC), 363 (DEC) 369 (WUC), 372 (DEC)	* UNEVALUA * NW * NW * 13978. * WUC), 118 (CERT), 360 (I), 368 (WUC) * UNEVALUA * NW * NW * NW * NW * NUC), 118 (CERT), 143 (CERT), 143 (CERT), 178 (CERT), 178 (CERT), 367 (WUC)	Water Rig EERT), 125 PRTH WEST NE	CUARTER SW	SE * * * * * * * * * * * * * * * * * * *	1: 15.63 NC NW	ORTH EAST NE	DIV LIM QUARTER SW	it: 45.8	22 acft	PER SOUTH WEST NE NE 5.2100 FRICTION OF THE PERI NE	OD OF US	SE * 0.8000* E: 04/01 SE *	S(NW	UUTH EAST NE GROUP I UTH EAST NE 1.45001	-
###PLACE OF USE: Sec 17 T 15S R 14E SLBM Sec 18 T 15S R 14E SLBM Sec 18 T 15S R 14E SLBM **** SUPPLEMENTAL GROUP NO.: 6 91-28 (CERT), 84 (CERT), 114 (I) 137 (CERT), 241 (CERT), 158 (CI 362 (WUC), 363 (DEC), 367 (WUC) 372 (DEC) IRRIGATION: Sole Supply: ###PLACE OF USE: Sec 02 T 15S R 13E SLBM *** *** SUPPLEMENTAL GROUP NO.: 6: 91-28 (CERT), 184 (CERT), 114 (W 140 (CERT), 141 (CERT), 142 (CERT), 143 (CERT), 159 (CERT) 361 (DEC), 362 (WUC), 363 (DEC) 369 (WUC), 372 (DEC) IRRIGATION: Sole Supply:	: UNEVALUA * NW * * 13978. WUC), 118(C ERT), 360 (I), 368 (WUC) : UNEVALUA * 13979. W 13979. W 13979. W 13979. W 13979. W 13979. W UNEVALUA UNEVALUA UNEVALUA UNEVALUA UNEVALUA UNEVALUA	Water Rig ETT), 125 ETT), 250 Water Rig ETT), 125 ETT), 125 ETT), 125 ETT), 126 ETT), 1360 ETT), 1360 ETT), 1360 ETT), 1360 ETT), 1360 ETT), 1360	COUARTER SW	SE * * * * * * * * * * * * * * * * * * *	1: 15.63 NW	Following	Div Lim	it: 45.8	2 acft	PER SOUTH WES' NE 5.2100 PERI OUTH WEST NE	OD OF US	SE * 0.8000* E: 04/01 SE *	TO 10/3	OUTH EAST NE	•
###PLACE OF USE: Sec 17 T 15S R 14E SLBM Sec 18 T 15S R 14E SLBM Sec 18 T 15S R 14E SLBM ***********************************	: UNEVALUA * NW * * * 13978. WUC), 118(C ERT), 360(I), 368(WUC) : UNEVALUA * NW 13979. W IUC), 118(C ERT), 178(CE T), 178(CE T), 367(WUC) UNEVALUA	Water Rig ERT), 125 BEC), 361 (, 369 (WUC WATER RIG WATER RIG WATER RIG RETH WEST NE WATER RIG RETH, 125 ERT), 125 ERT), 145 (R	GUARTER SW	SE * * * * * * * * * * * * * * * * * * *	1: 15.63NC NW	PRTH EAST NE	Div Lim QUARTER SW	it: 45.8	22 acft	PERIODITH WEST	OD OF USD	SE * 0.8000* E: 04/01 SE *	SO 10/3	OUTH EAST NE GROUP GROUP 1 1 1 1.4500 GROUP	
###PLACE OF USE: Sec 17 T 15S R 14E SLBM Sec 18 T 15S R 14E SLBM Sec 18 T 15S R 14E SLBM *** SUPPLEMENTAL GROUP NO.: 6 91-28 (CERT), 84 (CERT), 114 (CERT), 114 (CERT), 126 (CERT), 267 (WUC) 372 (DEC) IRRIGATION: Sole Supply: ###PLACE OF USE: Sec 02 T 15S R 13E SLBM ** SUPPLEMENTAL GROUP NO.: 6: 91-28 (CERT), 84 (CERT), 114 (WIC) 140 (CERT), 141 (CERT), 142 (CERT), 142 (CERT), 140 (CERT), 150 (CERT), 15	: UNEVALUA * NW * * 13978. WUC), 118(C ERT), 360 (I), 368 (WUC) : UNEVALUA * 13979. W 13979. W 13979. W 13979. W 13979. W 13979. W UNEVALUA UNEVALUA UNEVALUA UNEVALUA UNEVALUA UNEVALUA	Water Rig ERT), 125 BEC), 361 (, 369 (WUC WATER RIG WATER RIG WATER RIG RETH WEST NE WATER RIG RETH, 125 ERT), 125 ERT), 145 (R	GUARTER SW	SE * * * * * * * * * * * * *	1: 15.63NC NW	ORTH EAST NE	DIV LIM QUARTER SW	it: 45.8 SE *	2 acft	PER I SOUTH WEST I PER I	OD OF USI	SE * 0.8000* E: 04/01 SE *	TO 10/31 TO 10/31	UTH EAST OROUP GROUP 1 1 1 CROUP GROUP	- •
###PLACE OF USE: Sec 17 T 15S R 14E SLBM Sec 18 T 15S R 14E SLBM Sec 18 T 15S R 14E SLBM ****** SUPPLEMENTAL GROUP NO.: 6 91-28 (CERT), 84 (CERT), 114 (IN 137 (CERT), 141 (CERT), 114 (IN 137 (CERT), 141 (CERT), 158 (CI 362 (WUC), 363 (DEC), 367 (WUC) IRRIGATION: Sole Supply: ###PLACE OF USE: Sec 02 T 15S R 13E SLBM *** SUPPLEMENTAL GROUP NO.: 6: 91-28 (CERT), 84 (CERT), 114 (IN 140 (CERT), 141 (CERT), 142 (CERT), 164 (CERT), 159 (CERT), 169 (CERT), 1	: UNEVALUA * NW * * * 13978. WUC), 118(C ERT), 360(I), 368(WUC) : UNEVALUA * NW 13979. W IUC), 118(C ERT), 178(CE T), 178(CE T), 367(WUC) UNEVALUA * UNEVALUA * UNEVALUA * ON W * ON W	Water Rig ERT), 125 BEC), 361 (, 369 (WUC WATER RIG WATER RIG WATER RIG RETH WEST NE WATER RIG RETH, 125 ERT), 125 ERT), 145 (R	COUARTER SW Ints Appur (WUC) DEC) CUERT) CERT) COUARTER COUARTER CERT) COUARTER COUARTER COUARTER COUARTER COUARTER COUARTER COUARTER COUARTER	SE * * * * * * * * * * * * *	1: 15.63NCR NW NCR 1: 11.45NOR	ORTH EAST NE	DIV LIM QUARTER SW	nit: 62.5 SE *	22 acft	PERIODITH WEST	OD OF USI	SE * 0.8000* E: 04/01 SE * * C: 04/01	TO 10/33 TO 10/31 TO 10/31	UTH EAST	
###PLACE OF USE: Sec 17 T 15S R 14E SLBM Sec 18 T 15S R 14E SLBM Sec 18 T 15S R 14E SLBM ***** ***** ***** ***** **** ****	13978. WUC), 118(CERT), 360 (IL), 368 (WUC) UNEVALUA 13979. WUC), 118 (CERT), 118 (CERT), 118 (CERT), 178 (CERT	Water Rig ERT), 125 DEC), 361 (, 369 (WUC Water Rig ERT), 125, DEC), 368 (WUC) Water Rig ERT), 125, DEC), 368 (WUC)	COUARTER SW	SE * * * * * * * * * * * * * * * * * * *	1: 15.63 NC NW	PATH EAST NE Following RTH EAST NE Collowing	Div Lim OUARTER SW Juse(s): Div Lim Use(s): Div Lim OUARTER-SW	it: 45.8 it: 45.8 * * * * * * * * * * * * *	acft. acft. acft. 6 acft. 4 4100 2	PERISOUTH WEST NE S.2100 S.2100 PERISON	OD OF USI	SE * 0.8000* E: 04/01 SE *	TO 10/31 TO 10/31 TO 10/31	UTH EAST NE GROUP GROUP I 1.4500 GROUP	- :
###PLACE OF USE: Sec 17 T 15S R 14E SLBM Sec 18 T 15S R 14E SLBM ***** SUPPLEMENTAL GROUP NO.: 6 91-28 (CERT), 84 (CERT), 114 (I 137 (CERT), 141 (CERT), 158 (CI 362 (WUC), 363 (DEC), 367 (WUC 372 (DEC) IRRIGATION: Sole Supply: ###PLACE OF USE: Sec 02 T 15S R 13E SLBM *** SUPPLEMENTAL GROUP NO.: 6: 91-28 (CERT), 84 (CERT), 114 (IN 140 (CERT), 141 (CERT), 142 (CER 361 (DEC), 158 (CERT), 159 (CER 361 (DEC), 362 (WUC), 363 (DEC) IRRIGATION: Sole Supply: ###PLACE OF USE: Sec 01 T 15S R 13E SLBM * Sec 02 T 15S R 13E SLBM ** Sec 02 T 15S R 13E SLBM **	: UNEVALUA * NW * NW * * 13978. * WUC), 118 (C ERT), 360 (I), 368 (WUC) : UNEVALUA * NW * 13979.	Water Rig EET), 125 DEC), 361 (L., 369 (WUC) Water Rig EET), 125 EET), 125 EET), 125 EET), 126 EET), 126 EET), 126 EET), 127 EET), 1	COUARTER SW WHITE APPU (WUC) DEC) SGRO QUARTER SW WUC) (CERT) DEC) Gro QUARTER SW Gro QUARTER SW	SE * * * * * * * * * * * * *	1: 15.63NCR NW	ORTH EAST NE	DIV LIM QUARTER SW Juse(s): DIV LIM QUARTER- SW DIV Limi QUARTER- SW QUARTER- SW QUARTER- SW QUARTER- SW	it: 45.8 it: 45.8 * * * * * * * * * * * * *	acft. acft. acft. 6 acft. 4 4100 2	PERISOUTH WEST NE S.2100 S.2100 PERISON	OD OF USI	SE * 0.8000* E: 04/01 SE *	TO 10/31 TO 10/31 TO 10/31	UTH EAST NE GROUP GROUP I 1.4500 GROUP	
###PLACE OF USE: Sec 17 T 15S R 14E SLBM Sec 18 T 15S R 14E SLBM Sec 18 T 15S R 14E SLBM *** SUPPLEMENTAL GROUP NO.: 6 91-28 (CERT), 84 (CERT), 114 (U 137 (CERT), 141 (CERT), 158 (CI 362 (WUC), 363 (DEC), 367 (WUC 372 (DEC) IRRIGATION: Sole Supply: ###PLACE OF USE: Sec 02 T 15S R 13E SLBM ** SUPPLEMENTAL GROUP NO.: 6: 91-28 (CERT), 84 (CERT), 114 (W 140 (CERT), 141 (CERT), 142 (CE 146 (WUC), 158 (CERT), 159 (CER 361 (DEC), 362 (WUC), 363 (DEC) IRRIGATION: Sole Supply: ###PLACE OF USE: * Sec 01 T 15S R 13E SLBM * Sec 02 T 15S R 13E SLBM * Sec 02 T 15S R 13E SLBM * ** ** SUPPLEMENTAL GROUP NO.: 61 91-19 (CERT), 24 (CERT), 84 (CERT), 26 (CERT), 26 (CERT), 26 (CERT), 26 (CERT), 26 (CERT), 26 (CERT), 26 (CERT), 26 (CERT), 26 (CERT), 26 (CERT), 26 (CERT), 28	: UNEVALUA: * NW * * * 13978. WUC), 118(C ERT), 360 (E L, 368 (WUC) : UNEVALUA: NW * 13979. W INC), 118 (C ERT), 118 (C INT), 118 (C INT), 178 (CE JA67 (WUC) UNEVALUA: UNEVALUA: * NOI NW UNEVALUA: * NOI NW ST1, 114 (WUC) 3980. W RT1, 114 (WUR) * NOI NRT1, 114 (WUR) * NOI NRT1, 114 (WUR) * NOI NRT1, 114 (WUR) * NOI	Water Riggiest New 1.25 PEC), 361 (1.369 (WUC) Water Riggiest), 125 PEC), 360 (WUC) Water Riggiest), 125 PEC), 126 (WUC) Water Riggiest), 127 (WUC) Water Riggiest), 128 (WUC) Water Riggiest), 128 (WUC) Water Riggiest), 128 (WUC) Water Riggiest), 128 (WUC) Water Riggiest), 128 (WUC) Water Riggiest), 128 (WUC) Water Riggiest), 128 (WUC) Water Riggiest), 128 (WUC) Water Riggiest), 128 (WUC) Water Riggiest), 128 (WUC) Water Riggiest), 128 (WUC) Water Riggiest), 128 (WUC) Water Riggiest), 128 (WUC) Water Riggiest), 128 (WUC)	COUARTER SW	SE * * * * * * * * * * * * *	1: 15.63NCR NW	ORTH EAST NE	DIV LIM QUARTER SW Juse(s): DIV LIM QUARTER- SW DIV Limi QUARTER- SW QUARTER- SW QUARTER- SW QUARTER- SW	it: 45.8 it: 45.8 * * * * * * * * * * * * *	acft. acft. acft. 6 acft. 4 4100 2	PERISOUTH WEST NE S.2100 S.2100 PERISON	OD OF USI	SE * 0.8000* E: 04/01 SE *	TO 10/31 TO 10/31 TO 10/31	UTH EAST NE GROUP GROUP I 1.4500 GROUP	- :
###PLACE OF USE: Sec 17 T 15S R 14E SLBM Sec 18 T 15S R 14E SLBM Sec 18 T 15S R 14E SLBM ****** SUPPLEMENTAL GROUP NO.: 6 91-28 (CERT), 84 (CERT), 114 (IN 137 (CERT), 141 (CERT), 158 (CI 362 (WUC), 363 (DEC), 367 (WUC) 372 (DEC) IRRIGATION: Sole Supply: ###PLACE OF USE: Sec 02 T 15S R 13E SLBM **** SUPPLEMENTAL GROUP NO.: 61 91-28 (CERT), 84 (CERT), 114 (IN 140 (CERT), 141 (CERT), 142 (CER 361 (DEC), 362 (WUC), 363 (DEC) IRRIGATION: Sole Supply: ###PLACE OF USE: Sec 01 T 15S R 13E SLBM **** Sec 02 T 15S R 13E SLBM **** Sec 02 T 15S R 13E SLBM **** SUPPLEMENTAL GROUP NO.: 61 91-19 (CERT), 28 (CERT), 84 (CERT), 28	: UNEVALUA: * NW * NW * * * * * * *	Water Rigg EET), 125 EEC), 361 (L., 369 (WUC) Water Rigg EET), 125 EET), 125 EET), 1260 (L., 368 (WUC) TED acres ATH WEST NE LITER ACRES WATER RIGG EET), 1260 (L., 368 (WUC) TED acres ATH WEST NE LITER ACRES WATER RIGG EET), 1261 (L., 368 (WUC)) ATRICAL ACRES WATER RIGG EET), 1261 (L., 368 (WUC))	COUARTER SW Ints Appur (WUC) DEC) COUARTER SW COUARTER SW	SE * * * * * * * * * * * * *	1: 15.63NCR NW	ORTH EAST NE	DIV LIM QUARTER SW Juse(s): DIV LIM QUARTER- SW DIV Limi QUARTER- SW QUARTER- SW QUARTER- SW QUARTER- SW	it: 45.8 it: 45.8 * * * * * * * * * * * * *	acft. acft. acft. 6 acft. 4 4100 2	PERISOUTH WEST NE S.2100 S.2100 PERISON	OD OF USI	SE * 0.8000* E: 04/01 SE *	TO 10/31 TO 10/31 TO 10/31	UTH EAST NE GROUP GROUP I 1.4500 GROUP	- :
###PLACE OF USE: Sec 17 T 15S R 14E SLBM Sec 18 T 15S R 14E SLBM ***** SUPPLEMENTAL GROUP NO.: 6 91-28 (CERT), 84 (CERT), 114 (I 137 (CERT), 141 (CERT), 158 (CI 362 (WUC), 363 (DEC), 367 (WUC) 372 (DEC) IRRIGATION: Sole Supply: ###PLACE OF USE: Sec 02 T 15S R 13E SLBM *** SUPPLEMENTAL GROUP NO.: 61 91-28 (CERT), 84 (CERT), 114 (M 140 (CERT), 141 (CERT), 142 (CERT), 142 (CERT), 159 (CERT) 361 (DEC), 362 (WUC), 363 (DEC) 369 (WUC), 372 (DEC) IRRIGATION: Sole Supply: ###PLACE OF USE: \$ Sec 01 T 15S R 13E SLBM ** Sec 02 T 15S R 13E SLBM ** SUPPLEMENTAL GROUP NO.: 61 91-19 (CERT), 28 (CERT), 84 (CERT), 84 (CERT), 125 (WUC), 126 (CERT), 124 (CERT), 84 (CERT), 125 (WUC), 126 (CERT), 124 (CERT), 125 (WUC), 158 (CERT), 124 (CERT), 125 (WUC), 158 (CERT), 124 (CERT), 125 (WUC), 158 (CERT), 124 (CERT), 125 (WUC), 158 (CERT), 126 (CERT	* UNEVALUA* * NW * * * * * * *	Water Rig ERT), 125 ERT), 125 ERT), 125 ERT), 1260 (ERT), 1260 (ER	COUARTER SW Ints Appur (WUC) DEC) COUARTER SW COUARTER SW	SE * * * * * * * * * * * * *	1: 15.63NCR NW	ORTH EAST NE	DIV LIM QUARTER SW Juse(s): DIV LIM QUARTER- SW DIV Limi QUARTER- SW QUARTER- SW QUARTER- SW QUARTER- SW	it: 45.8 it: 45.8 * * * * * * * * * * * * *	acft. acft. acft. 6 acft. 4 4100 2	PERISOUTH WEST NE S.2100 S.2100 PERISON	OD OF USI	SE * 0.8000* E: 04/01 SE *	TO 10/31 TO 10/31 TO 10/31	UTH EAST NE GROUP GROUP I 1.4500 GROUP	
###PLACE OF USE: Sec 17 T 15S R 14E SLBM Sec 18 T 15S R 14E SLBM Sec 18 T 15S R 14E SLBM ****** SUPPLEMENTAL GROUP NO.: 6 91-28 (CERT), 84 (CERT), 114 (IN 137 (CERT), 141 (CERT), 158 (CI 362 (WUC), 363 (DEC), 367 (WUC) 372 (DEC) IRRIGATION: Sole Supply: ###PLACE OF USE: Sec 02 T 15S R 13E SLBM **** SUPPLEMENTAL GROUP NO.: 61 91-28 (CERT), 84 (CERT), 114 (IN 140 (CERT), 141 (CERT), 142 (CER 361 (DEC), 362 (WUC), 363 (DEC) IRRIGATION: Sole Supply: ###PLACE OF USE: Sec 01 T 15S R 13E SLBM **** Sec 02 T 15S R 13E SLBM **** Sec 02 T 15S R 13E SLBM **** SUPPLEMENTAL GROUP NO.: 61 91-19 (CERT), 28 (CERT), 84 (CERT), 28	* UNEVALUA* * NW * * * * * * *	Water Rig ERT), 125 ERT), 125 ERT), 125 ERT), 1260 (ERT), 1260 (ER	COUARTER SW Ints Appur (WUC) DEC) COUARTER SW COUARTER SW	SE * * * * * * * * * * * * *	1: 15.63NCR NW	ORTH EAST NE	DIV LIM QUARTER SW Juse(s): DIV LIM QUARTER- SW DIV Limi QUARTER- SW QUARTER- SW QUARTER- SW QUARTER- SW	it: 45.8 it: 45.8 * * * * * * * * * * * * *	acft. acft. acft. 6 acft. 4 4100 2	PERISOUTH WEST NE S.2100 S.2100 PERISON	OD OF USI	SE * 0.8000* E: 04/01 SE *	TO 10/31 TO 10/31 TO 10/31	UTH EAST NE GROUP GROUP I 1.4500 GROUP	
###PLACE OF USE: Sec 17 T 15S R 14E SLBM Sec 18 T 15S R 14E SLBM Sec 18 T 15S R 14E SLBM ***** ****** ****** ****** ***** ****	: UNEVALUA: * NW * * * * * * *	Water Rig EERT), 125 DECL, 361 (L., 369 (WUC) Water Rig EERT), 125 EERT), 125 EERT), 125 EERT), 1260 (L., 368 (WUC) TED acres NETH WEST NE NETH WEST NE NETH WEST NE NETH WEST NE NETH WEST NE NETH WEST NE NE COUARTER SW Ints Appur (WUC) DEC) COUARTER SW COUARTER SW	SE * * * * * * * * * * * * *	1: 15.63 NCR NW	ORTH EAST NE	Div Lim QUARTER- SW QUARTER- SW QUARTER- SW QUARTER- SW Div Limi OUARTER- SW Div Limi OUARTER- SW	it: 45.8 it: 45.8 *	22 acft	PERIODITH WEST NE 5.2100 5.2100 PERIODITH WEST NE PERIODITH WEST NE PERIODITH WEST	OUARTER SW 5.8200	SE * 0.8000* E: 04/01 SE * * 0.8000* E: 04/01 SE * 6.9300*20*	TO 10/31 TO 10/31 TO 10/31	UTH EAST NE GROUP GROUP I 1.4500 GROUP		
###PLACE OF USE: Sec 17 T 15S R 14E SLBM Sec 18 T 15S R 14E SLBM Sec 18 T 15S R 14E SLBM ***********************************	: UNEVALUA * NW *	Water Riggierry, 125 DEC1, 361(1, 369 (WUC) Water Riggierry, 125 DEC1, 361(1, 369 (WUC) WATER RIGGIERRY, 145(1, 360 (WUC) TED acres ACTEM WEST NE 1	COUARTER SW	se tenant	to the state of the following to the following to the following to the following to the following to the following	ORTH EAST NE	Div Lim QUARTER SW Juse(s): Div Lim Luse(s): CUARTER-SW Luse(s): Use(s):	it: 45.8 it: 45.8 ** ** ** ** ** ** ** ** **	22 acft	PERIODITH WEST NE 5.2100 5.2100 PERIODITH WEST NE PERIODITH WEST NE PERIODITH WEST	OUARTER SW 5.8200	SE * 0.8000* E: 04/01 SE *	TO 10/33 TO 10/33 TO 10/31	UTH EAST NE GROUP GROUP I 1.4500 GROUP	
###PLACE OF USE: Sec 17 T 15S R 14E SLBM Sec 18 T 15S R 14E SLBM Sec 18 T 15S R 14E SLBM ****** SUPPLEMENTAL GROUP NO.: 6 91-28 (CERT), 84 (CERT), 114 (IN 137 (CERT), 141 (CERT), 158 (CI 362 (WUC), 363 (DEC), 367 (WUC) 372 (DEC) IRRIGATION: Sole Supply: ###PLACE OF USE: Sec 02 T 15S R 13E SLBM **** SUPPLEMENTAL GROUP NO.: 61 91-28 (CERT), 184 (CERT), 114 (IN 140 (CERT), 141 (CERT), 142 (CER 361 (DEC), 362 (WUC), 363 (DEC) IRRIGATION: Sole Supply: ###PLACE OF USE: Sec 01 T 15S R 13E SLBM **** Sec 02 T 15S R 13E SLBM *** Sec 02 T 15S R 13E SLBM ** SUPPLEMENTAL GROUP NO.: 61 91-19 (CERT), 28 (CERT), 29 (C	13978. * NW * NW * 13978. * WUC), 118(C ERT), 360(I), 368(WUC) * NW * 13979. W 13979	Water Rig ERT), 125 ECT), 360 (WUC) Water Rig ERT), 125 ERT), 125 ERT), 125 ERT), 145 ERT), 145 ERT), 143 ERT), 143 ERT), 143 ERT), 143 ERT), 143 ERT), 143 ERT), 143 ERT), 143 ERT), 143 ERT), 143 ERT), 143 ERT), 143 ERT), 143 ERT), 143 ERT), 143 ERT), 178 ERT), 178 ERT), 178 ERT), 178 ERT), 178 ERT), 178 ERT), 178 ERT), 178 ERT), 178 ERT), 178 ERT), 178 ERT), 178 ERT), 178 ERT) ERT) ERT) ERT) ERT) ERT) ERT) ERT)	COUARTER-SW Grown and support that appur (WUC) CCERT) COUARTER-SW CCERT) COUARTER-SW COUARTER-SW	oup Total SE * * rtenant up Total se * tenant	to the state of the following to the following to the following to the following to the following to the following	ORTH EAST NE	Div Lim QUARTER SW Juse(s): Div Lim QUARTER- SW Div Limi QUARTER- SW Div Limi QUARTER- SW	it: 62.5 SE *	2 acft	PERIOUTH WEST NE 5.2100 5.2100 FERI	OD OF USE	SE * 0.8000* E: 04/01 SE * * 0.8000* E: 04/01 SE * 6.9300*20*	TO 10/33 TO 10/33 TO 10/31	UTH EAST NE GROUP GROUP I 1.4500 GROUP	

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SUPPLEMENTAL GROUP NO.: 613981. Water Rights Appurtenant to the following use(s):
   91-29 (CERT), 84 (CERT), 114 (WUC), 118 (CERT), 125 (WUC)
139 (CERT), 140 (CERT), 141 (CERT), 142 (CERT), 143 (CERT)
145 (CERT), 146 (WUC), 158 (CERT), 159 (CERT), 178 (CERT)
360 (DEC), 361 (DEC), 362 (WUC), 363 (DEC), 367 (WUC)
368 (WUC), 369 (WUC), 372 (DEC)
   DOMESTIC: Sole Supply: UNEVALUATED EDUS Group Total: 770.0000 Div Limit: 560.56 acft. PERIOD OF USE: 01/01 TO 12/31 Flow for domestic is part of flow for irrigation. Domestic use at unincorporated areas at
  SUPPLEMENTAL GROUP NO.: 613983. Water Rights Appurtenant to the following use(s): 91-19(CERT), 28(CERT), 84(CERT), 99(CERT), 114(WUC)
118(CERT), 125(WUC), 141(CERT), 143(CERT), 145(CERT)
146(WUC), 158(CERT), 159(CERT), 178(CERT), 332(UGWC)
360(DEC), 361(DEC), 362(WUC), 363(DEC), 367(WUC)
   368 (WUC) , 369 (WUC) , 372 (DEC)
     MINING: DISTRICT: Columbia
                                                                          NAME: Columbia
                                                                                                                                                                 PERIOD OF USE: 01/01 TO 12/31
                            ORES: coal
                           Acre Feet Contributed by this Right for this Use: Unevaluated
  SUPPLEMENTAL GROUP NO.: 613984. Water Rights Appurtenant to the following use(s):
  91-28 (CERT), 84 (CERT), 114 (WUC), 118 (CERT), 125 (WUC)
141 (CERT), 143 (CERT), 145 (CERT), 158 (CERT), 159 (CERT)
360 (DEC), 361 (DEC), 362 (WUC), 363 (DEC), 367 (WUC)
  368 (WUC), 369 (WUC), 372 (DEC)
     MINING: DISTRICT: Sunnyside
                                                                         NAME: Sunnyside
                                                                                                                                                                 PERIOD OF USE: 01/01 TO 12/31
                            ORES: coal
                          Acre Feet Contributed by this Right for this Use: Unevaluated
  SUPPLEMENTAL GROUP NO.: 613985. Water Rights Appurtenant to the following use(s):
 91-28 (CERT), 84 (CERT), 114 (WUC), 118 (CERT), 125 (WUC)

141 (CERT), 143 (CERT), 145 (CERT), 146 (WUC), 148 (CERT)

149 (CERT), 150 (CERT), 158 (CERT), 159 (CERT), 178 (CERT)

183 (CERT), 360 (DEC), 361 (DEC), 362 (WUC), 363 (DEC)

367 (WUC), 368 (WUC), 369 (WUC), 372 (DEC)
                                                 NAME: Horse Canyon
    MINING: DISTRICT: Columbia
ORES: Coal
                                                                                                                                                                PERIOD OF USE: 01/01 TO 12/31
 Administratively changed on Feb 14, 2007, by deleting the Domestic entry for 800 persons, and adding it to this Mining entry. The Mining was to employ and/or service the 800 persons.
                         In conjunction with the coal mining occuring at Horse Canyon. Acre Feet Contributed by this Right for this Use: Unevaluated
                                                                                                                                                               PERIOD OF USE: 01/01 TO 12/31
 SUPPLEMENTAL GROUP NO.: 614007. Water Rights Appurtenant to the following use(s):
 91-28 (CERT), 84 (CERT), 114 (WUC), 118 (CERT), 125 (WUC)
141 (CERT), 146 (WUC), 158 (CERT), 360 (DEC), 361 (DEC)
362 (WUC), 363 (DEC), 367 (WUC), 368 (WUC), 369 (WUC)
 372 (DEC)
   IRRIGATION: Sole Supply: UNEVALUATED acres Group Total: 11.28 Div Limit: 45.12 acft. PERIOD OF USE: 04/01 TO 10/15
   TH WEST QUARTER-----*---SOUTH EAST
                                                                                                                                                      NE I SW | SE * NW | NE
  Sec 06 T 15S R 14E SLBM *
                                                                                                                                         _*11.28001___
SUPPLEMENTAL GROUP NO.: 614158. Water Rights Appurtenant to the following use(s): 91-28(CERT), 84(CERT), 114(WUC), 118(CERT), 125(WUC) 141(CERT), 143(CERT), 144(CERT), 145(CERT), 146(WUC) 158(CERT), 178(CERT), 239(APP), 360(DEC), 361(DEC) 362(WUC), 363(DEC), 367(WUC), 368(WUC), 369(WUC)
 372 (DEC)
   MUNICIPAL: Sunnyside
                                                                                                                                                              PERIOD OF USE: 01/01 TO 12/31
                        Acre Feet Contributed by this Right for this Use: Unevaluated
SUPPLEMENTAL GROUP NO.: 614354. Water Rights Appurtenant to the following use(s): 91-28(CERT),84(CERT),114(WUC),125(WUC),231(CERT)
362(WUC),367(WUC),368(WUC),369(WUC)
   IRRIGATION: Sole Supply: UNEVALUATED acres Group Total: 222.1
                                                                                                                Div Limit: 0.0 acft.
                                                                                                                                                              PERIOD OF USE: 04/01 TO 10/15
WUC 91-231 is limited to the irrigation requirements of 160.0 acres.
        USTRIAL: Water uses related to coal mining.
  INDUSTRIAL: Water uses related to coal mining.

Acre Feet Contributed by this Right for this Use: Unevaluated
                                                                                                                                                              PERIOD OF USE: 01/01 TO 12/31
                         E: *----NORTH WEST QUARTER-----*--NORTH EAST QUARTER-----*-
                                                                                                                                               ----SOUTH WEST QUARTER-----*
  ###PLACE OF USE:
                                                             JUAR
| SW
|X
                                                                                                                          RTER------
| SE * NW
|X *X
                                                                                                                                                                                                    -SOUTH EAST
                                                  | NE |
                                                                          | S
                                                                              SE * NW |
                                                                                                      NE
                                                                                                               | SW
|X
                                                                                                                                                    | NE

        Sec
        13
        T
        14S
        R
        14E
        SLBM
        *X

        Sec
        17
        T
        14S
        R
        14E
        SLBM
        *X

        Sec
        18
        T
        14S
        R
        14E
        SLBM
        *X

                                                                                                                                                                            | SE * NW | NE
                                                                                      *X
                                                                                                                                                                  ١x
                                                                                                   ĮΧ
                                                                                                               |X
                                                               |X
                                                                           ١x
Sec 19 T 14S R 14E SLBM *X
Sec 20 T 14S R 14E SLBM *X
Sec 21 T 14S R 14E SLBM *X
Sec 24 T 14S R 14E SLBM *X
                                                                                                                                                                                                                  ١X
                                                                                                                                                                 ΙX
                                                              ΙX
                                                                                                                                                                                                                 ΙX
                                                                           ΙX
                                                                                                                                                                                                                 ١X
Sec 28 T 145 R 14E SLBM *X
                                                                                                                                                                                                     ١x
                                                                                                                                                                                                                 1X
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Sec 29 T 14S R 14E SLBM	*X	IX	ix	IX	*x	ıx	1X							
Sec 30 T 14S R 14E SLBM	*X			X	*X				*X *X	1X	X	IX		X
Sec 31 T 14S R 14E SLBM	*X	IX	X	X	*X				*X	l X	IX	X		1X
Sec 32 T 14S R 14E SLBM	*X	X	IX	İΧ	*X				*X	1X	X	IX		(X
Sec 33 T 14S R 14E SLBM	*X	X	IX	X				,	*X *X	IX	1X		*X	X
Sec 34 T 14S R 14E SLBM	*X	١x	X	IX	*X				*X	X	١X		*X	1X
Sec 01 T 15S R 13E SLBM	*	1	1	i	.	1	1	2.3000		X	1X	IX	*X	١X
Sec 02 T 15S R 13E SLBM	* 3.5000	7.9000	20.5000	4.1000	*	·	·	2.3000	<u>-</u>	·!	.	1	*	l
Sec U3 T 15S R 13E SLBM	*	1.	1		*	i	¦	!	·}	-!	!]	*	
Sec 10 T 15S R 13E SLBM		129,6000	1	3.6000	*11.7000	31.8000	1 1000		<u>. — </u>	!	!	3.5000		
Sec 03 T 15S R 14E SLBM			1X						*X	- 	!		*	
Sec 04 T 15S R 14E SLBM	*X	1X	X		*X					IX		•		X
Sec 05 T 15S R 14E SLBM	* 4.4000	I	1		*	i			*	(A	İΧ	•		X
Sec 06 T 15S R 14E SLBM	*	1	2.5000	14.3000	*	0.2000	3.4000	7 2000	*12 2000		!	l	<u> </u>	
												3.7000	*24.2000	
This Right (91-84) has a						=======			======	=======				GROU
														1==
This Right (91-84) is a m			remental	water r	ight grou	ups with	irrigate	d acrea	ge total	ing 1583	.4300 acı	res.		
Storage from 03/15 to 12/ Height of Dam: Area Inundated: Sec 07 T 14S R 14E SLEM	15, inclu 89 NOF NW	sive, ir	Grassy	Trail ROORTH-EAS	eservoir ST¼ SE	with a m SOUTH-W NW NE S * X: X:	aximum c EST% W SE	apacity SOUTH	of 916. H-EAST4 E SW SE		-feet, lo	ocated in	1:	==
Small Dam Required?: No								,	•					
OTHER COMMENTS********	******	*****	******	*****	******	*****	******	******	******					==
Also included in cla			=======				=======						******	**
WUC 91-84 is limited	to the i	rrigatio	n remir	a-J2J. Omonta e	£ 30 04									
	*******	*****	*****											
******************	******	*****	******	*****			*****	******	******	*******	*****	****	******	**
**********	*****	******	*****	*****		DAT	A*****	******	******	******	******	*****	******	**
							*****	******	******	******	******	******	******	**

Utah Division of Water Rights | 1594 West North Temple Suite 220, P.O. Box 146300, Salt Lake City, Utah 84114-6300 | 801-538-7240 Natural Resources | Contact | Disclaimer | Privacy Policy | Accessibility Policy | Emergency Evacuation Plan





THIS RIGHT IS BEING PROTESTED IN A PROPOSED DETERMINATION BOOK!!!

(WARNING: Water Rights makes NO claims as to the accuracy of this data.) RUN DATE: 01/26/2011 WATER RIGHT: 91-114 APPLICATION/CLAIM NO.: A11774 CERT. NO.: 2426
CRANGES: <u>33409</u> Certificate a521 (Issued:) a4235 Certificate a521 (Issued:)
OWNERSHIP************************************
NAME: East Carbon City (Public Water Supplier) ADDR: 200 East Park Place East Carbon UT 84520 INTEREST: 50% REMARKS:
NAME: Sunnyside City (Public Water Supplier) ADDR: P.O. Box 69 Sunnyside UT 84539 INTEREST: 50% REMARKS;
DATES, ETC. ************************************
LAND OWNED BY APPLICANT? COUNTY TAX ID#: FILED: 07/05/1935 PRIORITY: 07/05/1935 PUB BEGAN: PUB ENDED: NEWSPAPER: ProtestEnd: PROTESTED: No
Type of Right: Application to Appropriate Source of Info: Proposed Determination Status: Water User's Claim
DOCATION OF WATER RIGHT*** (Points of Diversion: Click on Location to the control of the control
FLOW: 1.8 cfs SOURCE: Grassy Trail COUNTY: Carbon COMMON DESCRIPTION:
POINTS OF DIVERSION SURFACE: (1) S 2824 ft W 1166 ft from Na cor, Sec 07, T 14S, R 14E, SLEM Diverting Works: (2) S 1165 ft W 644 ft from NE cor, Sec 18, T 14S, R 14E, SLEM Diverting Works: (3) N 1521 ft W 1983 ft from SE cor, Sec 29, T 14S, R 14E, SLEM Diverting Works: (4) S 1013 ft E 125 ft from W4 cor, Sec 01, T 15S, R 13E, SLEM Diverting Works: (5) N 1604 ft E 1245 ft from SW cor, Sec 02, T 15S, R 13E, SLEM Diverting Works: (6) N 750 ft W 1345 ft from SE cor, Sec 03, T 15S, R 13E, SLEM Diverting Works: (7) S 566 ft E 4323 ft from NW cor, Sec 09, T 15S, R 13E, SLEM Diverting Works: (8) S 1149 ft E 1320 ft from NW cor, Sec 09, T 15S, R 13E, SLEM Diverting Works: (9) N 31 ft E 2390 ft from W4 cor, Sec 06, T 15S, R 14E, SLEM Diverting Works: (9) N 31 ft E 2390 ft from W4 cor, Sec 06, T 15S, R 14E, SLEM Source: Source: Source: Source: (9) N 31 ft E 2390 ft from W4 cor, Sec 06, T 15S, R 14E, SLEM Diverting Works: (9) N 31 ft E 2390 ft from W4 cor, Sec 06, T 15S, R 14E, SLEM Source: Source: Source: Source: Source: (9) N 31 ft E 2390 ft from W4 cor, Sec 06, T 15S, R 14E, SLEM Diverting Works: Source:
IRRIGATION: Sole Supply: UNEVALUATED acres Group Total: 66.5 Div Limit: 266.0 acft. PERIOD OF USE: 06/15 TO 09/15 Water User's Claim No. 100 is limited to the irrigation requirements of 6.54 acres.
###PLACE OF USE:
GROUP
11-28 (CERT), 84 (CERT), 114 (WUC), 118 (CERT), 125 (WUC) 141 (CERT), 158 (CERT), 360 (DEC), 361 (DEC), 362 (WUC) 363 (DEC), 367 (WUC), 368 (WUC), 369 (WUC), 372 (DEC)
IRRIGATION: Sole Supply: UNEVALUATED acres Group Total: 932.4 Div Limit: 3729.6 acft. PERIOD OF USE: 04/01 TO 10/31
###PLACE OF USE: *NORTH WEST QUARTER*NORTH EAST QUARTER*SOUTH WEST QUARTER*SOUTH EAST

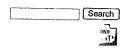
	4														
Sec 24 T 155 R 12E SLB	* NW * M	NE	I SW	I SE	* NW	NE 10.1000	_		* NW	NE	l SW	SE	* NW	i NE	ı
Sec 02 T 15S R 13E SLB			i	i	*	1	<u> </u>	6.6000 	* *12.3000	114 0900	123 0200	1 24 2222	*	!	
Sec 03 T 15S R 13E SLB Sec 07 T 15S R 13E SLB	<u>M</u> *	-	-!	!	*	!		i	*		123.6300	34.2900 		7.4000	-5
Sec 08 T 15S R 13E SLB	M *	139.6000	5!	1 2 5000	* *20.9500	.!	131 0000	111 0000	*		1	i	+30 3000	120 5000	
Sec 10 T 15S R 13E SLB	4 8.000	Ōi		10.1000		34.5000	3.2000	11.9000	*40.0000 *	140.0000	140.0000	140.0000	* 4.5500	<u> </u> i	1 3
Sec 11 T 15S R 13E SLB Sec 17 T 15S R 13E SLB	<u>4</u> *14.300	0	Ī	i	*	i	1	·	*	¦	¦	!	*	!!	_
Sec 18 T 155 R 13E SLB	₫ *		140.0000		* 10 0000	140.0000	!		*		i	¦,		¦	
Sec 19 T 15S R 13E SLB	1 *31,900	5¦	1	8.9000 	* 40.0000 *	140.0000	!	140.0000	<u> </u>	14.8000	7.7000	12.0000		ii	
Sec 24 T 155 R 13E SLB	4 *		<u> </u>	i	*	10.1000	`	6,6000	*		<u> </u>	·	<u> </u>	!!	_
Sec 06 T 15S R 14E SLB	1 *	-1	١	ı	*	1			11.2800		·	 ;		¦!	
*======================================			=======	=======	======	======								GROU	ΙP
SUPPLEMENTAL GROUP NO.:	613975.	Water 1	Righte Ar	purtenar	t to the	followi	na neole	+=== - ====:					********		==
							ng use (s	, .							
125 (WUC), 141 (CERT), 158 (C 362 (WUC), 363 (DEC), 367 (WUC)	ERT), 360	(DEC), 361	(DEC)												
372 (DEC)	7C1 , 200 (MI	1C1 , 309 (N	(UC)												
IRRIGATION: Sole Suppl								. 							
IRRIGATION: Sole Suppl	A. OMEANT	JUNIED AC	res (Group To	tal: 102	85	Dire I	mib - 411	4 - 6-		IOD OF U	SE: 04/0	1 TO 10/	'31	
###PLACE OF USE:			ST QUARTI						• • • • • • • •						
See 10 m 150 p 100 etc.	* NW	NE	SW	SE	* NW ·	NE I	SW I	SE *	S	OUTH WES	T QUARTE	R*		OUTH EAS	T
Sec 19 T 15S R 12E SLBM Sec 24 T 15S R 12E SLBM	1 *	·	!	!	<u>*</u>	lI	i	*		142	12.1000	JE ^ ★	NW (NE	
Sec 25 T 15S R 12E SLBM	*	\	<u> </u>	<u> </u>	*	2.6500	!				i	*		3.7000	_
Sec 19 T 15S R 13E SLBM	*	i	i	¦,	*	2.6500 		*			12 1000				_
Sec 30 T 15S R 13E SLBM	*31.0000	1	122.2000	4.3000	-	i			4.7000		12.1000	6,2000*		 -	_
*======================================										——'·		0.2000-		GROUI	P
SUPPLEMENTAL GROUP NO.:	613976.	Water B	ighte An	Durtenan	+ +o +bo		=======			======	======	======		=======	===
24 20 (CERT), 114	INOC1.II8	ICERTI. I	25 (WITC)	pur cenan	r to the	10110W11	ig use(s)								
138 (WUC), 141 (CERT), 158 (C	ERT), 360 (DEC), 361	(DEC)												
362 (WUC), 363 (DEC), 367 (WU 372 (DEC)	C),368 (WU	C),369(W	UC)												

IRRIGATION: Sole Suppl	y: UNEVAL	UATED ac	res G	Froup Tot	al: 72.2		Div Li	mit: 288	.8 acft.	PER	IOD OF U	SE: 04/0	TO 10/	31	
###PLACE OF USE:	*	NORTH WES	ייים מוזרי דב	· · · · · · · · ·					• • • • • • • •						
		NE	ST QUARTE	SE *	NW I	ORTH EAS	T QUARTE:	R*	S	OUTH WEST	I QUARTE	₹*-	S	OUTH EAST	
Sec 10 T 15S R 13E SLBM	*	I	ii	19.0000*			30.2000	23.0000*	NW	NE	SW	SE *	NW	NE I	
*==================											'-		'-	GROUP	_
					=======									011001	
SUPPLEMENTAL GROUP NO :															=
91-28 (CERT), 84 (CERT), 114	(WUC) . 118	(CERT) 12	ignes App	ourtenant	to the	followin	g use(s)	;							==
91-28 (CERT), 84 (CERT), 114 141 (CERT), 143 (CERT), 145 ((WUC), 118 CERT), 146	(CERT), 12	IGHES APP 25 (WUC)	ourtenant	to the	followin	g use(s)	;							-
91-28(CERT), 84(CERT), 114 141(CERT), 143(CERT), 145(159(CERT), 178(CERT), 360()	(WUC), 118 CERT), 146 DEC), 361()	(CERT), 12 (WUC), 158	S (WUC)	ourtenant	to the	followin	g use(s)	;							
91-28 (CERT), 84 (CERT), 114 141 (CERT), 143 (CERT), 145 ((WUC), 118 CERT), 146 DEC), 361()	(CERT), 12 (WUC), 158	S (WUC)	ourtenant	to the	followin	g use(s)	:							
91-28 (CERT), 84 (CERT), 114 141 (CERT), 143 (CERT), 145 (159 (CERT), 178 (CERT), 360 (363 (DEC), 367 (WUC), 368 (WU	(WUC), 118 CERT), 146 DEC), 361 (1 C), 369 (WUC	(CERT), 12 (WUC), 156 DEC), 362 C), 372 (DE	S(WUC) (WUC) (WUC)	ourtenant	to the	followin	g use(s)	:							
91-28 (CERT), 84 (CERT), 114 141 (CERT), 143 (CERT), 145 (159 (CERT), 178 (CERT), 360; 363 (DEC), 357 (WUC), 368 (WUC)	(WUC), 118 CERT), 146 DEC), 361() C), 369(WUC)	(CERT), 12 (WUC), 158 DEC), 362 C), 372 (DE	S (WUC) (WUC) (CC)	roup Tot	to the	followin	g use(s)	:							
91-28 (CERT), 84 (CERT), 114 141 (CERT), 143 (CERT), 145 (159 (CERT), 178 (CERT), 360 (363 (DEC), 367 (WUC), 368 (WU IRRIGATION: Sole Supply	(WUC), 118 DERT), 146 DEC), 361 (1 C), 369 (WUC)	(CERT), 12 (WUC), 158 DEC), 362 C), 372 (DE	S (WUC) G(CERT) (WUC) CC) Ges G	roup Tot	al: 15.6	followin	g use(s)	: nit: 62.5	 22 acft.	PERI	OD OF US	E: 04/01	TO 10/3	31	
91-28 (CERT), 84 (CERT), 114 141 (CERT), 143 (CERT), 145 (159 (CERT), 178 (CERT), 360 (363 (DEC), 357 (MUC), 368 (MUC) IRRIGATION: Sole Suppl:	(WUC), 118 DERT), 146 DEC), 361 (1) C), 369 (WUC) (: UNEVALU) * NW	(CERT), 12 (WUC), 156 DEC), 362 C), 372 (DE	S (WUC) G (CERT) (WUC) CC) Tes G	roup Tot	al: 15.6	followin	g use(s) Div Lin	nit: 62.5	62 acft.	PERI	OD OF US	E: 04/01	TO 10/3		
91-28 (CERT), 84 (CERT), 114 141 (CERT), 143 (CERT), 145 (159 (CERT), 178 (CERT), 360 (1363 (DEC), 367 (WUC), 368 (WUC) IRRIGATION: Sole Suppl: ###PLACE OF USE: Sec 17 T 15S R 14E SLBM	(WUC), 118 EERT), 146 DEC), 361 (10 C), 369 (WUC) (11 UNEVALU) (12 UNEVALU) (13 UNEVALU) (14 UNEVALU)	(CERT), 12 (WUC), 156 DEC), 362 C), 372 (DE	S (WUC) G (CERT) (WUC) CC) Tes G	roup Tot	al: 15.6	followin	g use(s) Div Lin	: nit: 62.5 R*- SE *	2 acft. sc NW	PERI UTH WEST NE	OD OF US	E: 04/01	TO 10/3		
91-28 (CERT), 84 (CERT), 114 141 (CERT), 143 (CERT), 145 (159 (CERT), 178 (CERT), 360 (363 (DEC), 357 (MUC), 368 (MUC) IRRIGATION: Sole Suppl:	(WUC), 118 EERT), 146 DEC), 361 (10 C), 369 (WUC) (11 UNEVALU) (12 UNEVALU) (13 UNEVALU) (14 UNEVALU)	(CERT), 12 (WUC), 156 DEC), 362 C), 372 (DE	S (WUC) G (CERT) (WUC) CC) Tes G	roup Tot	al: 15.6	followin	g use(s) Div Lin	: nit: 62.5 R*- SE *	2 acft. sc NW 3.8000	PERI UTH WEST NE	OD OF US	E: 04/01	TO 10/3		
91-28 (CERT), 84 (CERT), 114 141 (CERT), 143 (CERT), 145 (159 (CERT), 178 (CERT), 360 (1363 (DEC), 367 (WUC), 368 (WUC) IRRIGATION: Sole Suppl: ###PLACE OF USE: Sec 17 T 15S R 14E SLBM Sec 18 T 15S R 14E SLBM	(WUC), 118 CERT), 146 DEC), 361 (1 C), 369 (WUC) /: UNEVALU	(CERT), 12 (MUC), 156 DEC), 362 C), 372 (DE UATED ACT	ES (WUC) (WUC) (WUC) CES G TO QUARTE SW	roup Tot	al: 15.6	ORTH EAST	g use(s) Div Lim QUARTER SW	: nit: 62.5 * SE *	2 acft. 	PERI UTH WEST NE 5.2100	OD OF US	E: 04/01 * SE * 0.8000*	TO 10/3		
91-28(CERT), 84(CERT), 114 141(CERT), 143(CERT), 145(159(CERT), 178 (CERT), 165(363(DEC), 367(WUC), 368(WUC), 368((MUC), 118 CERT), 146 DEC), 361 (1 C), 369 (WUC) (': UNEVALU) * NW *	(CERT), 12 (MUC), 156 DEC), 362 C), 372 (DE JATED acr	ES (WUC) (WUC) (WUC) (WUC) TO QUARTE SW	roup Tot	al: 15.6	ORTH EAST	g use(s) Div Lim QUARTER SW	: nit: 62.5 * SE *	2 acft. 	PERI UTH WEST NE 5.2100	OD OF US	E: 04/01 * SE * 0.8000*	TO 10/3	B1 UTH EAST NE	
91-28 (CERT), 84 (CERT), 114 141 (CERT), 143 (CERT), 145 (159 (CERT), 178 (CERT), 360 (159 (CERT), 360 (WUC), 363 (DEC), 367 (WUC), 368 (WUC) IRRIGATION: Sole Supply ###PLACE OF USE: Sec 17 T 15S R 14E SLBM Sec 18 T 15S R 14E SLBM *** SUPPLEMENTAL GROUP NO.: 6 91-28 (CERT), 84 (CERT), 114	(MUC), 118 CERT), 146 CERT), 146 OEC), 361 (1 C), 369 (WUC) * NW * NW * *	Water Ricert), 12 (WUC), 156 (WUC), 156 (WUC), 362 (D), 372 (DE UATED acr WATED acr	Eghts App S(WUC) CC) CS G CT QUARTE SW Lights App 5(WUC)	roup Tot	al: 15.6	ORTH EAST	g use(s) Div Lim QUARTER SW	: nit: 62.5 * SE *	2 acft. 	PERI UTH WEST NE 5.2100	OD OF US	E: 04/01 * SE * 0.8000*	TO 10/3	 B1 UTH EAST NE 	
91-28(CERT), 84(CERT), 114 141(CERT), 143(CERT), 145(159(CERT), 178(CERT), 360() 363(DEC), 357(WUC), 368(WUC) IRRIGATION: Sole Suppl: ###PLACE OF USE: Sec 17 T 15S R 14E SLBM Sec 18 T 15S R 14E SLBM SUPPLEMENTAL GROUP NO.: 6 91-28(CERT), 141(CERT), 114 137(CERT), 141(CERT), 158(CERT), 144(CERT), 158(CERT), 158(CERT), 144(CERT), UC), 118 (MUC), 118 (ERT), 146 (EC), 361 (1) (I), 369 (WUC) (I), 1369 (WUC) * NW * * * * * * * * * * * * * * * * * *	Water Ricert), 12 WUC), 158 DEC), 362 JATED acr WATER ACR Water Ricert), 12 DEC), 361	SES (WUC) G(CERT) WUC) GC) GES G T QUARTE SW GES G S(WUC) GES G	roup Tot	al: 15.6	ORTH EAST	g use(s) Div Lim QUARTER SW	: nit: 62.5 * SE *	2 acft. 	PERI UTH WEST NE 5.2100	OD OF US	E: 04/01 * SE * 0.8000*	TO 10/3	 B1 UTH EAST NE 		
91-28 (CERT), 84 (CERT), 114 141 (CERT), 143 (CERT), 145 (159 (CERT), 178 (CERT), 360 (159 (CERT), 360 (WUC), 363 (DEC), 367 (WUC), 368 (WUC) IRRIGATION: Sole Supply ###PLACE OF USE: Sec 17 T 15S R 14E SLBM Sec 18 T 15S R 14E SLBM *** SUPPLEMENTAL GROUP NO.: 6 91-28 (CERT), 84 (CERT), 114	(MUC), 118 (MUC), 118 (ERT), 146 (EC), 361 (1) (I), 369 (WUC) (I), 1369 (WUC) * NW * * * * * * * * * * * * * * * * * *	Water Ricert), 12 WUC), 158 DEC), 362 JATED acr WATER ACR Water Ricert), 12 DEC), 361	SES (WUC) G(CERT) WUC) GC) GES G T QUARTE SW GES G S(WUC) GES G	roup Tot	al: 15.6	ORTH EAST	g use(s) Div Lim QUARTER SW	: nit: 62.5 * SE *	2 acft. 	PERI UTH WEST NE 5.2100	OD OF US	E: 04/01 * SE * 0.8000*	TO 10/3	 B1 UTH EAST NE 	
91-28 (CERT), 84 (CERT), 114 141 (CERT), 143 (CERT), 145 (159 (CERT), 178 (CERT), 360; 363 (DEC), 357 (WUC), 368 (WUC) IRRIGATION: Sole Suppl: ###PLACE OF USE: Sec 17 T 15S R 14E SLBM Sec 18 T 15S R 14E SLBM SUPPLEMENTAL GROUP NO.: 4 91-28 (CERT), 84 (CERT), 114 137 (CERT), 141 (CERT), 158 (C 362 (WUC), 363 (DEC), 367 (WUC) 372 (DEC)	(MUC), 118 ERT), 146 DEC), 361 (1) (1), 369 (WUC) (2), 369 (WUC) (3), 369 (WUC) (4), 369 (WUC) (5), 368 (WUC)	Water R. (CERT), 12 (MUC), 158 (M	SC (WUC) TO QUARTE SW	roup Tot* SE * *	al: 15.6NW	ORTH EAST	g use(s) Div Lim QUARTER SW	: nit: 62.5 * SE *	2 acft. 	PERI UTH WEST NE 5.2100	OD OF US	E: 04/01 * SE * 0.8000*	TO 10/3	 B1 UTH EAST NE 	
91-28 (CERT), 84 (CERT), 114 141 (CERT), 143 (CERT), 145 (159 (CERT), 178 (CERT), 360 (1363 (DEC), 367 (WUC), 368 (WUC) IRRIGATION: Sole Suppl: ###PLACE OF USE: Sec 17 T 15S R 14E SLBM Sec 18 T 15S R 14E SLBM ** SUPPLEMENTAL GROUP NO.: 6 91-28 (CERT), 84 (CERT), 114 (137 (CERT), 114 (CERT), 158 (1362 (WUC), 363 (DEC), 367 (WUC), 372 (DEC)	(MUC), 118 CERT), 146 DEC), 361 (10 C), 369 (MUC) * UNEVALUATION NO. 128 * NW 128 * * * * * * * * * * * * * * * * * * *	Water R: Water R: Water R: CERT1, 12 Water R: CERT1, 12 DEC), 369 (WU	Jants App S(WUC) B(CERT) WUC) CC) T QUARTE SW 	roup Tot	al: 15.6	3 ORTH EAST NE	g use(s) Div Lim QUARTER SW	: mit: 62.5	32 acftSC NW 3.8000	PERI UTH WEST NE 5.2100	OD OF US	E: 04/01 * SE * 0.8000*	TO 10/3	 B1 UTH EAST NE 	
91-28(CERT), 84(CERT), 114 141(CERT), 143(CERT), 145(159(CERT), 178(CERT), 360; 363(DEC), 367(WUC), 368(WUC) IRRIGATION: Sole Suppl: ###PLACE OF USE: Sec 17 T 15S R 14E SLBM Sec 18 T 15S R 14E SLBM *** SUPPLEMENTAL GROUP NO.: 6 91-28(CERT), 84(CERT), 114(137(CERT), 141(CERT), 158(C 362(WUC), 363(DEC), 367(WUC) 372(DEC) IRRIGATION: Sole Supply	(MUC), 118 ERT), 146 DEC), 361(1) 1), 369(WUC) * UNEVALU * NW * * * * * * * * * * * * * * * * * *	(CERT), 12 (WUC), 158 DEC), 362 DEC), 362 DEC), 362 DEC), 362 WATED ACR	Hights App 55(WUC) TO QUARTE SW	roup Tot	al: 15.6	ORTH EAST	Div Lim COUARTER SW	: nit: 62.* SE ** ::	52 acft.	PERI UTH WEST NE 5.2100 _	OD OF US	E: 04/01 	TO 10/3	DUTH EAST NE GROUP	
91-28 (CERT), 84 (CERT), 114 141 (CERT), 143 (CERT), 145 (159 (CERT), 178 (CERT), 360; 363 (DEC), 357 (WUC), 368 (WUC) IRRIGATION: Sole Supply ###PLACE OF USE: Sec 17 T 15S R 14E SLBM Sec 18 T 15S R 14E SLBM ** SUPPLEMENTAL GROUP NO.: 6 91-28 (CERT), 84 (CERT), 114 137 (CERT), 141 (CERT), 158 (C 362 (WUC), 363 (DEC), 367 (WUC) 372 (DEC) IRRIGATION: Sole Supply	(MUC), 118 (ERT), 146 (ECT), 361 (1) (T), 369 (WUC) (T), 118 (ERT), 369 (WUC) (T), 368 (WUC) (T), 368 (WUC) (T), 368 (WUC) (T), 368 (WUC) (T), 368 (WUC) (T)	Water R. (CERT), 12 (MUC), 158 (M	T QUARTE SW	roup Tot. R* SE * * urtenant	al: 15.6	3 3 ORTH EAST NE	Div Lim	: nit: 62.9 SE *	52 acft.	PERI	OD OF US	E: 04/01 SE * 0.8000*	TO 10/3	UTH EAST NE GROUP	
91-28(CERT), 84(CERT), 114 141(CERT), 143(CERT), 145(159(CERT), 178(CERT), 360(363(DEC), 367(WUC), 368(WUC) IRRIGATION: Sole Supply ###PLACE OF USE: Sec 17 T 15S R 14E SLBM Sec 18 T 15S R 14E SLBM *** SUPPLEMENTAL GROUP NO.: 6 91-28(CERT), 84(CERT), 114 137(CERT), 141(CERT), 158(C 362(WUC), 363(DEC), 367(WUC) 372(DEC) IRRIGATION: Sole Supply ###PLACE OF USE:	(MUC), 118 ERT), 146 DEC), 361(1) C), 369(WUC) * UNEVALU * NW * * * * * * * * * * * * * * * * * *	Water Riccard, 158 JATED acr JATED acr JACET, 372 (DE JATED acr JATED acr Water Riccard, 12 DEC), 361 DEC), 369 (WU ATED acr ORTH WES	T QUARTEE G G G G G G G G G G G G G G G G G G	roup Tot	al: 15.6	3 ORTH EAST NE	Div Lim CQUARTEF SW	: nit: 62.9 SE *	52 acftSC NW 3.8000 sc	PERI DITH WEST PERI PERI DITH WEST	OD OF US QUARTER SW 5.8200	E: 04/01 SE * 0.8000*	TO 10/3	DUTH EAST NE GROUP Group	
91-28(CERT), 84(CERT), 114 141(CERT), 143(CERT), 145(159(CERT), 178 (CERT), 165(363(DEC), 367(WUC), 368(WUC) IRRIGATION: Sole Suppl: ###PLACE OF USE: Sec 17 T 15S R 14E SLBM Sec 18 T 15S R 14E SLBM Sec 18 T 15S R 14E SLBM 4====================================	(MUC), 118 ERT), 146 DEC), 361(1) C), 369(WUC) * UNEVALU * NW * * * * * * * * * * * * * * * * * *	Water Riccard, 158 JATED acr JATED acr JACET, 372 (DE JATED acr JATED acr Water Riccard, 12 DEC), 361 DEC), 369 (WU ATED acr ORTH WES	T QUARTEE G G G G G G G G G G G G G G G G G G	roup Tot	al: 15.6	3 3 ORTH EAST NE	Div Lim CQUARTEF SW	: nit: 62.9 SE *	52 acftSC NW 3.8000 sc	PERI DITH WEST PERI PERI DITH WEST	OD OF US QUARTER SW 5.8200	E: 04/01 SE * 0.8000*	TO 10/3 TO 10/3 TO 10/3 TO 10/3	NE GROUP GROUP 1 1 1 UTH EAST	
91-28(CERT), 84(CERT), 114 141(CERT), 143(CERT), 145(159(CERT), 178(CERT), 360; 363(DEC), 367(WUC), 368(WUC) IRRIGATION: Sole Supply ###PLACE OF USE: Sec 17 T 15S R 14E SLBM Sec 18 T 15S R 14E SLBM SUPPLEMENTAL GROUP NO.: 6 91-28(CERT), 84(CERT), 114 137(CERT), 141(CERT), 158(C 362(WUC), 363(DEC), 367(WUC) 372(DEC) IRRIGATION: Sole Supply ###PLACE OF USE: Sec 02 T 15S R 13E SLBM	(MUC), 118 (ERT), 146 (ERT), 146 (ERT), 361(I) (ERT), 369(WUC)	Water R; CERT), 12 Water R; CERT), 362 Water R; CERT), 363 ORTH WES NE	Hights App 5 (WUC) Global SW 1	roup Tot	al: 15.6	Followin ORTH EAST NE	g use(s) Div Lim QUARTER SW Div Lim QUARTER SW	: nit: 62. SE	32 acftSC NW	PERI UTH WEST NE 5.2100 PERI UTH WEST NE	OD OF US OD OF US OD OF US OD OF US OUARTER SW	E: 04/01 SE * 0.8000* E: 04/01	TO 10/3	UTH EAST UTH EAST UTH EAST NE 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
91-28(CERT), 84(CERT), 114 141(CERT), 143(CERT), 145(159(CERT), 178(CERT), 360(363(DEC), 367(WUC), 368(WUC) IRRIGATION: Sole Supply ###PLACE OF USE: Sec 17 T 15S R 14E SLBM Sec 18 T 15S R 14E SLBM *** SUPPLEMENTAL GROUP NO.: 6 91-28(CERT), 84(CERT), 114 137(CERT), 141(CERT), 158(C 362(WUC), 363(DEC), 367(WUC) 372(DEC) IRRIGATION: Sole Supply ###PLACE OF USE: Sec 02 T 15S R 13E SLBM ***	(MUC), 118 ERT), 146 DEC), 361(1) ; UNEVALU * NW * * * * * * * * * * * * * * * * * *	Water R: (CERT), 12, 362 Water R: (CERT), 22, 362 Water R: (CERT), 23, 369 Water R: (CERT), 369 Water R: (CERT), 369 Water R: (CERT), 260 ORTH WES NE	Hants App St (WUC) TO QUARTE SW Lights App St (WUC) CO CO CO CO CO CO CO CO CO CO CO CO CO C	roup Tot. SE * urtenant coup Tota	al: 15.6	3 ORTH EAST NE following	Div Lim Div Lim OUARTER G use(s)	mit: 62.\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	32 acftSC NW	PERI UTH WEST NE 5.2100 PERI UTH WEST NE	OD OF US OD OF US OD OF US OD OF US OUARTER SW	E: 04/01 SE * 0.8000* E: 04/01	TO 10/3	UTH EAST UTH EAST UTH EAST NE 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
91-28(CERT), 84(CERT), 114 141(CERT), 143(CERT), 145(159(CERT), 178(CERT), 165(363(DEC), 367(WUC), 368(WUC) IRRIGATION: Sole Suppl: ###PLACE OF USE: Sec 17 T 1SS R 14E SLBM Sec 18 T 15S R 14E SLBM **** SUPPLEMENTAL GROUP NO.: 6 91-28(CERT), 84(CERT), 114 137(CERT), 141(CERT), 158(C 362(WUC), 363(DEC), 367(WUC) 372(DEC) IRRIGATION: Sole Supply ###PLACE OF USE: Sec 02 T 15S R 13E SLBM *** SUPPLEMENTAL GROUP NO.: 6 91-28(CERT), 84(CERT), 114	(MUC), 118 (MUC), 118	Water R: CERT), 12 DEC), 362 DEC), 362 DEC), 362 DEC), 362 DEC), 362 DEC), 362 DEC), 362 DEC), 362 DEC) DEC) DEC) DEC) DEC) DEC) DEC) DEC)	res G T QUARTE SWUC) SW 1 T QUARTE SW 1 SW 1 COLUMN T QUARTE SW 1 COLUMN T QUARTE SW 1 COLUMN T QUARTE SWUC) T QUARTE SW 1 COLUMN T QUARTE SW 1 COLUMN T QUARTE SW 1 COLUMN T QUARTE SW 1	roup Tot. SE * urtenant coup Tota	al: 15.6	3 ORTH EAST NE following	Div Lim Div Lim OUARTER G use(s)	mit: 62.\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	32 acftSC NW	PERI UTH WEST NE 5.2100 PERI UTH WEST NE	OD OF US OD OF US OD OF US OD OF US OUARTER SW	E: 04/01 SE * 0.8000* E: 04/01	TO 10/3	UTH EAST UTH EAST UTH EAST NE 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
91-28(CERT), 84(CERT), 114 141(CERT), 143(CERT), 145(1 159(CERT), 178(CERT), 165(1 363(DEC), 367(WUC), 368(WUC) IRRIGATION: Sole SUPPL ###PLACE OF USE: Sec 17 T 15S R 14E SLBM Sec 18 T 15S R 14E SLBM *** SUPPLEMENTAL GROUP NO.: (91-28(CERT), 84(CERT), 114(1 137(CERT), 141(CERT), 158(C 362(WUC), 363(DEC), 367(WUC) 372(DEC) IRRIGATION: Sole Supply ###PLACE OF USE: Sec 02 T 15S R 13E SLBM *** SUPPLEMENTAL GROUP NO.: (91-28(CERT), 84(CERT), 114(1 140(CERT), 141(CERT), 114(1 140(CERT), 141(CERT), 141(1 140(CERT), 141(CERT), 141(CERT), 114(1 140(CERT), 141(CERT), 141(CERT), 141(1 140(CERT), 141(CERT), 142(CERT), 141(CERT), 142(CERT), 141(CERT), 142(CERT), 142(CERT), 142(CERT), 142(CERT), 141(CERT), 142(CERT), 142	(MUC), 118 (ERT), 146 (ERT), 146 (ERT), 146 (ERT), 361(I) (ERT), 361(I) (ERT), 369(WUC) (ERT), 369(WUC) (ERT), 369(WUC) (ERT), 369(WUC) (ERT), 369(WUC) (ERT), 369(WUC) (ERT), 369(WUC) (ERT), 369(WUC) (ERT), 369(WUC) (ERT), 369(WUC) (ERT), 369(WUC) (ERT), 369(WUC) (ERT), 369(WUC) (ERT), 369(WUC) (ERT), 369(WUC)	Water Ri CERT), 12 Water Ri CERT), 362 Water Ri CERT), 22 DEC), 361 Water Ri CERT), 26 Water Ri CERT), 22 DEC), 361 Water Ri CERT), 22 CERT), 12 CERT), 12 CERT), 12 CERT), 12 CERT), 12	Hants App State of Country of Cou	roup Tot. SE * urtenant coup Tota	al: 15.6	3 ORTH EAST NE following	Div Lim Div Lim OUARTER G use(s)	mit: 62.\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	32 acftSC NW	PERI UTH WEST NE 5.2100 PERI UTH WEST NE	OD OF US OD OF US OD OF US OD OF US OUARTER SW	E: 04/01 SE * 0.8000* E: 04/01	TO 10/3	UTH EAST UTH EAST UTH EAST NE 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
91-28(CERT), 84(CERT), 114 141(CERT), 143(CERT), 145(1 159(CERT), 178(CERT), 360; 363(DEC), 357(WUC), 368(WUC) IRRIGATION: Sole Supply ###PLACE OF USE: Sec 17 T 15S R 14E SLBM Sec 18 T 15S R 14E SLBM *	(MUC), 118 ERT), 146 DEC), 361(1) (1), 369(WUC) (2), 369(WUC) (3), 369(WUC) (4), 368(WUC) (5), 368(WUC) (5), 368(WUC) (6), 368(WUC) (7), 368(WUC) (8), 368(WUC) (8), 368(WUC) (9), 368(WUC) (1), 368(WUC)	Water Ri CERT), 12 (WUC), 158 (WUC), 158 (DEC), 362 (DI), 372 (DE), 362 (DE), 363 (WUC), 369 (WUC),	HITTS APPES (WUC) CES GO TOUARTE SW I I I I I I I I I	roup Tot. SE * urtenant coup Tota	al: 15.6	3 ORTH EAST NE following	Div Lim Div Lim OUARTER G use(s)	mit: 62.\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	32 acftSC NW	PERI UTH WEST NE 5.2100 PERI UTH WEST NE	OD OF US OD OF US OD OF US OD OF US OUARTER SW	E: 04/01 SE * 0.8000* E: 04/01	TO 10/3	UTH EAST UTH EAST UTH EAST NE 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
91-28(CERT), 84(CERT), 114 141(CERT), 143(CERT), 145(159(CERT), 178(CERT), 165(363(DEC), 367(WUC), 368(WUC) IRRIGATION: Sole Supply ###PLACE OF USE: Sec 17 T 1SS R 14E SLBM Sec 18 T 15S R 14E SLBM SUPPLEMENTAL GROUP NO.: 6 91-28(CERT), 84(CERT), 114 137(CERT), 141(CERT), 158(C 362(WUC), 363(DEC), 367(WUC) 372(DEC) IRRIGATION: Sole Supply ###PLACE OF USE: Sec 02 T 15S R 13E SLBM *** SUPPLEMENTAL GROUP NO.: 6 91-28(CERT), 84(CERT), 114(140(CERT), 141(CERT), 142(CERT), 144(CERT), 144(CERT), 144(CERT), 146(CERT), 146(CERT), 146(CERT), 158(CERT), 159(CERT), 159(CERT), 361(DEC), 362(CERT), 369(CERT), 369(CEC), 363(CEC), 369(CEC), 36	(MUC), 118 ERT), 146 DEC), 361(1) (1), 369(WUC) (2), 369(WUC) (3), 369(WUC) (4), 368(WUC) (5), 368(WUC) (5), 368(WUC) (6), 368(WUC) (7), 368(WUC) (8), 368(WUC) (8), 368(WUC) (9), 368(WUC) (1), 368(WUC)	Water Ri CERT), 12 (WUC), 158 (WUC), 158 (DEC), 362 (DI), 372 (DE), 362 (DE), 363 (WUC), 369 (WUC),	HITTS APPES (WUC) CES GO TOUARTE SW I I I I I I I I I	roup Tot. SE * * urtenant coup Tota	al: 15.6	3 ORTH EAST NE following	Div Lim Div Lim OUARTER G use(s)	mit: 62.\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	32 acftSC NW	PERI UTH WEST NE 5.2100 PERI UTH WEST NE	OD OF US OD OF US OD OF US OD OF US OUARTER SW	E: 04/01 SE * 0.8000* E: 04/01	TO 10/3	UTH EAST UTH EAST UTH EAST NE 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
91-28(CERT), 84(CERT), 114 141(CERT), 143(CERT), 145(159(CERT), 178(CERT), 165(363(DEC), 367(WUC), 368(WUC) IRRIGATION: Sole Supply ###PLACE OF USE: Sec 17 T 15S R 14E SLBM Sec 18 T 15S R 14E SLBM *** SUPPLEMENTAL GROUP NO.: 6 91-28(CERT), 84(CERT), 114(137(CERT), 141(CERT), 158(CBRT), 137(CERT) IRRIGATION: Sole Supply ###PLACE OF USE: Sec 02 T 15S R 13E SLBM ** SUPPLEMENTAL GROUP NO.: 6 91-28(CERT), 84(CERT), 114(140(CERT), 141(CERT), 159(CERT), 114(140(CERT), 141(CERT), 142(CERT), 158(CERT), 159(CERT), 363(DEC) 369(WUC), 362(WUC), 363(DEC)	(MUC), 118 (ERT), 146 (ERT), 146 (ERT), 361(I) (I), 369(WUC) (I), 369(WUC) (I), 369(WUC) (I), 368(WUC) (I), 367(WUC) (I), 367(WUC)	Water Ri (CERT), 12 (WUC), 156 DEC), 362: 1), 372 (DE WATED acr WATED ACR Water Ri (CERT), 12 DEC), 361 (WUC), 369 (WU WATED ACR WATED	T QUARTE SW I I I I I I I I I	roup Tota	to the	ORTH EAST following	Div Lim OUARTER SW	se * * * * * * * * * * * * * * * * * * *	22 acftSC NW 3.8000	PERI DET NE S.2100 PERI UTH WEST NE	OD OF US QUARTER SW 5.8200 OD OF US QUARTER SW	E: 04/01	TO 10/3 SC NW	GROUP	
91-28(CERT), 84(CERT), 114 141(CERT), 143(CERT), 145(159(CERT), 178(CERT), 165(363(DEC), 367(WUC), 368(WUC) IRRIGATION: Sole Supply ###PLACE OF USE: Sec 17 T 15S R 14E SLBM Sec 18 T 15S R 14E SLBM SUPPLEMENTAL GROUP NO.: 6 91-28(CERT), 84(CERT), 114 137(CERT), 141(CERT), 158(C 362(WUC), 363(DEC), 367(WUC) IRRIGATION: Sole Supply ###PLACE OF USE: Sec 02 T 15S R 13E SLBM *** SUPPLEMENTAL GROUP NO.: 6 91-28(CERT), 84(CERT), 114(140(CERT), 141(CERT), 142(CERT), 144(CERT), 142(CERT), 146(WUC), 158(CERT), 159(CERT), 159(CERT), 159(CERT), 363(DEC), 363(DEC) 369(WUC), 372(DEC)	(MUC), 118 (ERT), 146 (DEC), 361 (MUC) : UNEVALU * NW	Water Ri CERT), 12 DEC), 362 DEC), 362 DEC), 362 DEC), 362 DEC), 362 DEC), 362 DEC), 362 Water Ri CERT), 12 DEC), 369 Water Ri CERT), 12 DEC), 369 Water Ri CERT), 12 DEC), 369 Water Ri CERT), 12 DEC), 369 Water Ri CERT), 1360 DECRT), 14	Hights App 55 (WUC) CO SWITT QUARTE SW I I I I I I I I I	roup Tota	to the	ORTH EAST following	Div Lim OUARTER SW	se * * * * * * * * * * * * * * * * * * *	22 acftSC NW 3.8000	PERI DET NE S.2100 PERI UTH WEST NE	OD OF US QUARTER SW 5.8200 OD OF US QUARTER SW	E: 04/01	TO 10/3 SC NW	GROUP	
91-28(CERT), 84(CERT), 114 141(CERT), 143(CERT), 145(1 159(CERT), 178(CERT), 165(1 363(DEC), 367(WUC), 368(WUC) IRRIGATION: Sole SUPPL ###PLACE OF USE: Sec 17 T 15S R 14E SLBM Sec 18 T 15S R 14E SLBM *** SUPPLEMENTAL GROUP NO.: (91-28(CERT), 84(CERT), 114(1 137(CERT), 141(CERT), 158(C 362(WUC), 363(DEC), 367(WUC) 372(DEC) IRRIGATION: Sole SUPPLY ###PLACE OF USE: Sec 02 T 15S R 13E SLBM *** SUPPLEMENTAL GROUP NO.: (91-28(CERT), 84(CERT), 114(1 140(CERT), 141(CERT), 142(C 146(WUC), 158(CERT), 142(C 146(WUC), 158(CERT), 159(CE 361(DEC), 362(WUC), 363(DEC) 369(WUC), 372(DEC)	(MUC), 118 (ERT), 146 (DEC), 361(I) (F), 369(WUC) (F), 367(WUC) (F), 361(F), 361(F) (F), 361(F), 361(F) (F), 361(F), 361(F) (F), 361(F), 361(F) (F), 361(F), 361(F) (F), 361(F), 361(F) (F), 361(F), 361(F) (F), 361(F), 361(F) (F),	Water Ri (CERT), 12 (WUC), 158 DEC), 362 (1), 372 (DE WATED acress Water Ri CERT), 12 DEC), 361 Water Ri CERT), 12 CERT), 12 CERT), 12 CERT), 12 CERT), 1360 (WUC)	Hights App Stauton Co. Co. Co. Co. Co. Co. Co. Co. Co. Co.	roup Tota SE * * purtenant coup Tota SE * aurtenant	al: 15.6	Following The East of the Following of the Fast of th	g use(s) Div Lim OUARTER SW Juse(s) Div Lim OUARTER SW Use(s):	mit: 62.5	22 acftSC	PERI DITH WEST S.2100 PERI UTH WEST NE	OD OF US SW 5.8200 OD OF US QUARTER SW	E: 04/01 SE * 0.8000* E: 04/01 SE *	TO 10/3	GROUP	
91-28(CERT), 84(CERT), 114 141(CERT), 143(CERT), 145(1 159(CERT), 178(CERT), 360(1 363(DEC), 367(WUC), 368(WUC) IRRIGATION: Sole Supply ###PLACE OF USE: Sec 17 T 15S R 14E SLBM Sec 18 T 15S R 14E SLBM *** SUPPLEMENTAL GROUP NO.: 6 91-28(CERT), 84(CERT), 114(1 137(CERT), 141(CERT), 158(C 362(WUC), 363(DEC), 367(WUC) 372(DEC) IRRIGATION: Sole Supply ###PLACE OF USE: Sec 02 T 15S R 13E SLBM *** SUPPLEMENTAL GROUP NO.: 6 91-28(CERT), 84(CERT), 114(1 140(CERT), 141(CERT), 159(CERT), 363(DEC) 369(WUC), 362(WUC), 363(DEC) IRRIGATION: Sole Supply	(MUC), 118 ERT), 146 DEC), 361(1) C), 369(WUC) * UNEVALU * NW * * * * * * * * * * * * * * * * * *	Water Ri (CERT), 12 (DEC), 362 (DEC), 362 (DEC), 362 (DEC), 372 (DEC), 362 (DEC), 361 (DEC), 361 (DEC), 361 (DEC), 361 (DEC), 369 (WU) ATED acr Water Ri (CERT), 12 (DEC), 363 (WU) ATED acr	rest of Countries	roup Tota	al: 15.6	ACRTH EAST NE CRTH EAST NE	Div Lim OUARTER OUARTER OUARTER OUARTER OUARTER W OUARTER W OUARTER OUARTE	se * * * * * * * * * * * * * * * * * * *	22 acftSC NW 3.8000	PERI DET NE S.2100 PERI UTH WEST NE PERIC	OD OF US	E: 04/01	TO 10/3 SC NW	GROUP	
91-28(CERT), 84(CERT), 114 141(CERT), 143(CERT), 145(1 159(CERT), 178(CERT), 165(1 363(DEC), 367(WUC), 368(WUC) IRRIGATION: Sole SUPPL ###PLACE OF USE: Sec 17 T 15S R 14E SLBM Sec 18 T 15S R 14E SLBM SUPPLEMENTAL GROUP NO.: (91-28(CERT), 84(CERT), 114(1 137(CERT), 141(CERT), 158(C 362(WUC), 363(DEC), 367(WUC) 372(DEC) IRRIGATION: Sole SUPPLY ###PLACE OF USE: Sec 02 T 15S R 13E SLBM ***** SUPPLEMENTAL GROUP NO.: 6 91-28(CERT), 84(CERT), 114(1 140(CERT), 141(CERT), 142(C 146(WUC), 158(CERT), 142(C 146(WUC), 363(WUC), 363(DEC) 369(WUC), 372(DEC) IRRIGATION: Sole SUPPLY ###PLACE OF USE:	(MUC), 118 (ERT), 146 (DC), 361(I) (F), 369(WUC) (F), 369(Water RicCERT), 12 DEC., 362 (WU) Water RicCERT), 12 DEC., 365 (WU) Water RicCERT), 12 DEC., 361 (WU) ATED acr Water RicCERT), 12 DEC., 366 (WU) Water RicCERT), 13 MATED acr	T QUARTER SW SW SW SW SW SW SW SW	roup Tota roup Tota roup Tota roup Tota roup Tota	al: 15.6	following ORTH EAST NE	Div Lim QUARTER SW QUARTER SW QUARTER COUNTER C	it: 582.5	3.8000 3.8	PERICUTH WEST NE	QUARTER SW QUARTER SW QUARTER SW QUARTER SW	E: 04/01	TO 10/3 TO 10/3 TO 10/3 TO 10/3	DUTH EAST NE GROUP GROUP 1 1 1 1 1 1 GROUP	
91-28(CERT), 84(CERT), 114 141(CERT), 143(CERT), 145(1 159(CERT), 178(CERT), 165(1 363(DEC), 367(WUC), 368(WUC) IRRIGATION: Sole Supply ###PLACE OF USE: Sec 17 T 15S R 14E SLBM Sec 18 T 15S R 14E SLBM SUPPLEMENTAL GROUP NO.: 6 91-28(CERT), 84(CERT), 114(1 137(CERT), 141(CERT), 158(C 362(WUC), 363(DEC), 367(WUC) 372(DEC) IRRIGATION: Sole Supply ###PLACE OF USE: Sec 02 T 15S R 13E SLBM SUPPLEMENTAL GROUP NO.: 6 91-28(CERT), 84(CERT), 114(1 140(CERT), 141(CERT), 159(CERT),	(MUC), 118 (ERT), 146 (DC), 361(I) (F), 369(WUC) (F), 369(Water RicCERT), 12 DEC., 362 (WU) Water RicCERT), 12 DEC., 365 (WU) Water RicCERT), 12 DEC., 361 (WU) ATED acr Water RicCERT), 12 DEC., 366 (WU) Water RicCERT), 13 MATED acr	T QUARTER SW SW SW SW SW SW SW SW	roup Tota SE * * * * * * * * * * * * * * * * * * *	al: 15.6	following ORTH EAST NE	Div Lim QUARTER SW QUARTER SW QUARTER COUNTER C	se *	22 acft	PERIODI PERIOD	OD OF US OUARTER SW 5.8200 COD OF US QUARTER SW DO OF USE QUARTER SW	E: 04/01 SE * 0.8000* E: 04/01 SE * * * * * * * * * * * * * * * * * * *	TO 10/3 TO 10/3 TO 10/3 TO 10/3 TO 10/3 TO 10/31	UTH EAST NE GROUP UTH EAST NE 1 1 4500 GROUP	
91-28(CERT), 84(CERT), 114 141(CERT), 143(CERT), 145(1 159(CERT), 178(CERT), 165(1 363(DEC), 367(WUC), 368(WUC) IRRIGATION: Sole SUPPL ###PLACE OF USE: Sec 17 T 15S R 14E SLBM Sec 18 T 15S R 14E SLBM SUPPLEMENTAL GROUP NO.: (91-28(CERT), 84(CERT), 114(1 137(CERT), 141(CERT), 158(C 362(WUC), 363(DEC), 367(WUC) 372(DEC) IRRIGATION: Sole SUPPLY ###PLACE OF USE: Sec 02 T 15S R 13E SLBM ***** SUPPLEMENTAL GROUP NO.: 6 91-28(CERT), 84(CERT), 114(1 140(CERT), 141(CERT), 142(C 146(WUC), 158(CERT), 142(C 146(WUC), 363(WUC), 363(DEC) 369(WUC), 372(DEC) IRRIGATION: Sole SUPPLY ###PLACE OF USE:	(MUC), 118 (ERT), 146 (DC), 361(I) (F), 369(WUC) (F), 369(Water RicCERT), 12 DEC., 362 (WU) Water RicCERT), 12 DEC., 365 (WU) Water RicCERT), 12 DEC., 361 (WU) ATED acr Water RicCERT), 12 DEC., 366 (WU) Water RicCERT), 13 MATED acr	T QUARTER SW SW SW SW SW SW SW SW	roup Tota SE * * * * * * * * * * * * * * * * * * *	al: 15.6	following ORTH EAST NE	Div Lim QUARTER SW QUARTER SW QUARTER COUNTER C	se *	22 acft	PERIODI PERIOD	OD OF US OUARTER SW 5.8200 COD OF US QUARTER SW DO OF USE QUARTER SW	E: 04/01 SE * 0.8000* E: 04/01 SE * * * * * * * * * * * * * * * * * * *	TO 10/3 TO 10/3 TO 10/3 TO 10/3 TO 10/3 TO 10/31	UTH EAST NE GROUP 1 1 1 1 1 1 1 4500 GROUP	=
91-28(CERT), 84(CERT), 114 141(CERT), 143(CERT), 145(1 159(CERT), 178(CERT), 165(1 363(DEC), 367(WUC), 368(WUC) 363(DEC), 367(WUC), 368(WUC) IRRIGATION: Sole SUPPL ###PLACE OF USE: Sec 17 T 15S R 14E SLBM Sec 18 T 15S R 14E SLBM Sec 18 T 15S R 14E SLBM **** SUPPLEMENTAL GROUP NO.: 6 91-28(CERT), 84(CERT), 114(1 137(CERT), 141(CERT), 158(C 362(WUC), 363(DEC), 367(WUC) 372(DEC) IRRIGATION: Sole SUPPLY ###PLACE OF USE: Sec 02 T 15S R 13E SLBM *** SUPPLEMENTAL GROUP NO.: 6 91-28(CERT), 94(CERT), 114(1 140(CERT), 141(CERT), 142(C 146(WUC), 158(CERT), 159(CE 361(DEC), 362(WUC), 363(DEC) 369(WUC), 372(DEC) IRRIGATION: Sole SUPPLY ###PLACE OF USE: Sec 01 T 15S R 13E SLBM Sec 02 T 15S R 13E SLBM Sec 02 T 15S R 13E SLBM	(MUC), 118 (ERT), 146 (ERT), 146 (ERT), 361(I) (ERT), 369(WUC) (ERT), 369(WUC) (ERT), 369(WUC) (ERT), 369(WUC) (ERT), 369(WUC) (ERT), 118(I) (ERT), 143(I) (Water Ri (CERT), 12 DEC), 362 (C), 372 (DE NEED ACTED	Hights App 55(WUC) Columbia C	roup Tota SE * urtenant coup Tota SE * aurtenant SE * x	al: 15.6	Following A STATE EAST NE	Div Lim OUARTER SW Use(s) Div Lim QUARTER SW QUARTER SW QUARTER SW	: se * it: 582.5 * * * * * * * * * * * * *	22 acftSC NW 3.8000 SC NW 6 acftSO NW 9.4100 26	PERIL DETAIL PERIL DETAIL PERIL PERIL PERIL PERIL PERIL PERIL PERIL PERIL PERIL PERIL PERIL PERIL PERIL PERIL	OD OF US QUARTER SW S.8200 QUARTER SW QUARTER SW QUARTER SW QUARTER SW QUARTER SW QUARTER SW	E: 04/01 SE * 0.9000* E: 04/01 SE *	TO 10/3SC NW	GROUP TH EAST NE GROUP TH EAST NE GROUP	=
91-28(CERT), 84(CERT), 114 141(CERT), 143(CERT), 145(159(CERT), 178 (CERT), 165(159(CERT), 178 (CERT), 166(WUC) 363(DEC), 367(WUC), 368(WUC) IRRIGATION: Sole Supply ###PLACE OF USE: Sec 17 T 15S R 14E SLBM Sec 18 T 15S R 14E SLBM ***********************************	(MUC), 118 (ERT), 146 (ERT), 146 (F), 361 (WUC) (F), WUEVALU * NW * * * NW * * * NW * * * NW * * * NW * * * NW * N	Water Ri CERT), 12 DEC), 362 DEC), 362 DEC), 362 DEC), 362 DEC), 362 DEC), 362 DEC), 362 DEC), 362 Water Ri CERT), 12 DEC), 369 WU Water Ri CERT), 12 DEC), 369 WU Water Ri CERT), 12 DEC), 369 WU Water Ri CERT), 12 DEC), 369 WU Water Ri CERT), 12 DEC), 369 WU Water Ri CERT), 14 DEC), 369 WU Water Ri CERT), 14 DEC), 369 WU Water Ri CERT), 14 DEC), 369 WU Water Ri CERT), 14 DEC), 369 WU Water Ri CERT), 14 DEC), 369 WU Water Ri CERT), 14 DEC), 369 WU Water Ri CERT), 14 DEC), 369 WU Water Ri CERT), 14 DEC), 369 WU Water Ri CERT), 14 DEC) DEC), 369 WU Water Ri CERT), 14 DEC) DEC), 369 WU Water Ri CERT), 14 DEC) DEC), 369 WU Water Ri CERT), 14 DEC) DEC), 369 WU Water Ri CERT), 15 DEC), 369 WU Water Ri CERT), 16 DEC) DEC), 369 WU Water Ri CERT), 16 DEC) DEC), 369 WU Water Ri CERT), 16 DEC) DEC), 369 WU Water Ri CERT), 16 DEC) DEC), 369 WU Water Ri CERT), 16 DEC) DEC), 369 WU Water Ri CERT), 16 DEC) DEC), 369 WU Water Ri CERT), 16 DEC) DEC), 369 WU Water Ri CERT), 16 DEC) DEC), 369 WU Water Ri CERT), 16 DEC) DEC), 369 WU Water Ri CERT), 16 DEC) DEC) DEC)	T QUARTER SW Ges G T Q T Q T Q T Q T Q T Q T Q T	roup Tota SE * urtenant oup Tota se was a second or s	al: 15.6	following ORTH EAST NE	g use(s) Div Lim QUARTER SW	: se * it: 582.5 * * * * * * * * * * * * *	22 acftSC NW 3.8000 SC NW 6 acftSO NW 9.4100 26	PERIL DETAIL PERIL DETAIL PERIL PERIL PERIL PERIL PERIL PERIL PERIL PERIL PERIL PERIL PERIL PERIL PERIL PERIL	OD OF US QUARTER SW S.8200 QUARTER SW QUARTER SW QUARTER SW QUARTER SW QUARTER SW QUARTER SW	E: 04/01 SE * 0.9000* E: 04/01 SE *	TO 10/3SC NW	GROUP TH EAST NE GROUP TH EAST NE GROUP	=
91-28(CERT), 84(CERT), 114 141(CERT), 143(CERT), 145(1 159(CERT), 178(CERT), 165(1 363(DEC), 367(WUC), 368(WUC) IRRIGATION: Sole SUPPL ###PLACE OF USE: Sec 17 T 15S R 14E SLBM Sec 18 T 15S R 14E SLBM Sec 18 T 15S R 14E SLBM **** SUPPLEMENTAL GROUP NO.: (6 91-28(CERT), 84(CERT), 114(1 137(CERT), 141(CERT), 158(C 362(WUC), 363(DEC), 367(WUC) 372(DEC) IRRIGATION: Sole SUPPLY ###PLACE OF USE: Sec 02 T 15S R 13E SLBM **** SUPPLEMENTAL GROUP NO.: 6 91-28(CERT), 94(CERT), 114(1 140(CERT), 141(CERT), 142(C 146(WUC), 158(CERT), 159(CE 369(WUC), 372(DEC) IRRIGATION: Sole SUPPLY ###PLACE OF USE: Sec 01 T 15S R 13E SLBM Sec 02 T 15S R 13E SLBM Sec 02 T 15S R 13E SLBM Sec 02 T 15S R 13E SLBM Sec 02 T 15S R 13E SLBM Sec 02 T 15S R 13E SLBM Sec 02 T 15S R 13E SLBM Sec 02 T 15S R 13E SLBM Sec 02 T 15S R 13E SLBM	(MUC), 118 (ERT), 146 (ERT), 146 (ERT), 146 (ERT), 361(I) (ERT), 369(WUC) * NW * * * * * * * * * * * * * * * * * *	Water Ricertl, 120 Water Ricertly, 120 Water Ricer	Hights Appy S(WUC) SW 1 SW	roup Tota SE * urtenant oup Tota se was a second or s	al: 15.6	following ORTH EAST NE	g use(s) Div Lim QUARTER SW	: se * it: 582.5 * * * * * * * * * * * * *	22 acftSC NW 3.8000 SC NW 6 acftSO NW 9.4100 26	PERIL DETAIL PERIL DETAIL PERIL PERIL PERIL PERIL PERIL PERIL PERIL PERIL PERIL PERIL PERIL PERIL PERIL PERIL	OD OF US QUARTER SW S.8200 QUARTER SW QUARTER SW QUARTER SW QUARTER SW QUARTER SW QUARTER SW	E: 04/01 SE * 0.9000* E: 04/01 SE *	TO 10/3SC NW	GROUP TH EAST NE GROUP TH EAST NE GROUP	
91-28(CERT), 84(CERT), 114 141(CERT), 143(CERT), 145(1 159(CERT), 178(CERT), 165(1 363(DEC), 367(WUC), 368(WUC) 363(DEC), 367(WUC), 368(WUC) IRRIGATION: Sole SUPPL! ###PLACE OF USE: Sec 17 T 15S R 14E SLEM Sec 18 T 15S R 14E SLEM *** SUPPLEMENTAL GROUP NO.: 6 91-28(CERT), 84(CERT), 114(1 137(CERT), 141(CERT), 158(CB) 362(WUC), 363(DEC), 367(WUC) 372(DEC) IRRIGATION: Sole SUPPLY ###PLACE OF USE: Sec 02 T 15S R 13E SLEM *** SUPPLEMENTAL GROUP NO.: 6 91-28(CERT), 84(CERT), 114(1 140(CERT), 141(CERT), 159(CE) 361(DEC), 362(WUC), 363(DEC) 369(WUC), 372(DEC) IRRIGATION: Sole SUPPLY ###PLACE OF USE: Sec 01 T 15S R 13E SLEM Sec 02 T 15S R 13E SLEM Sec 02 T 15S R 13E SLEM *** SUPPLEMENTAL GROUP NO.: 6 91-19(CERT), 28(CERT), 155(WIC) *** SUPPLEMENTAL GROUP NO.: 6 91-19(CERT), 28(CERT), 84(CERT), 152(WIC), 84(CERT), 124(CERT), 125(WIC), 84(CERT), 126(CERT), 125(WIC), 125(CERT), 125(WIC),	(MUC), 118 ERT), 146 DEC), 361(1) C), 369(WUC) : UNEVALU * NW * * * * * * * * * * * * * * * * * *	Water Ri (CERT), 12 (WUC), 156 DEC), 362: C), 372 (DE WATED acr WATED acr Water Ri (CERT), 12: CERT), 12: CERT), 14: CERT), 12: CERT), 14: WATED acr WATED acr WATED acr	HIGHER APPENDING	roup Tota SE * urtenant oup Tota se was a second or s	al: 15.6	following ORTH EAST NE	g use(s) Div Lim QUARTER SW	: se * it: 582.5 * * * * * * * * * * * * *	22 acftSC NW 3.8000 SC NW 6 acftSO NW 9.4100 26	PERIL DETAIL STATE OF THE PERIL PER	OD OF US QUARTER SW S.8200 QUARTER SW QUARTER SW QUARTER SW QUARTER SW QUARTER SW QUARTER SW	E: 04/01 SE * 0.9000* E: 04/01 SE *	TO 10/3SC NW	GROUP TH EAST NE GROUP TH EAST NE GROUP	
91-28(CERT), 84(CERT), 114 141(CERT), 143(CERT), 145(1 159(CERT), 178(CERT), 165(1 363(DEC), 367(WUC), 368(WUC) IRRIGATION: Sole Supply ###PLACE OF USE: Sec 17 T 1SS R 14E SLBM Sec 18 T 15S R 14E SLBM Sec 18 T 15S R 14E SLBM ***** ***** ***** **** **** **** ****	(MUC), 118 EERT), 146 EERT), 146 EERT), 146 EERT), 361 (III) : UNEVALU * NW * * * * * * * * * * * * * * * * * *	Water Rigorn Services of the Country	T QUARTER SWUC) G(CERT) G(SWUC) G(SWUC) G(SWUC) G(SWUC) G(CERT) G(SWUC) G(CERT) G(SWUC) G(CERT) G(SWUC) G(CERT) G(SWUC) G(CERT) G(SWUC) G(CERT) G(SWUC) G(CERT) G(SWUC) G(CERT) G(SWUC) G(CERT) G(SWUC) G(CERT) G(SWUC) G(CERT) G(SWUC) G(SW	roup Tota SE * urtenant oup Tota se was a second or s	al: 15.6	following ORTH EAST NE	g use(s) Div Lim QUARTER SW	: se * it: 582.5 * * * * * * * * * * * * *	22 acftSC NW 3.8000 SC NW 6 acftSO NW 9.4100 26	PERIL DETAIL STATE OF THE PERIL PER	OD OF US QUARTER SW S.8200 QUARTER SW QUARTER SW QUARTER SW QUARTER SW QUARTER SW QUARTER SW	E: 04/01 SE * 0.9000* E: 04/01 SE *	TO 10/3SC NW SC NW	GROUP TH EAST NE GROUP TH EAST NE GROUP	
91-28(CERT), 84(CERT), 114 141(CERT), 143(CERT), 145(1 159(CERT), 178(CERT), 165(1 363(DEC), 367(WUC), 368(WUC) 363(DEC), 367(WUC), 368(WUC) IRRIGATION: Sole SUPPL! ###PLACE OF USE: Sec 17 T 15S R 14E SLEM Sec 18 T 15S R 14E SLEM *** SUPPLEMENTAL GROUP NO.: 6 91-28(CERT), 84(CERT), 114(1 137(CERT), 141(CERT), 158(CB) 362(WUC), 363(DEC), 367(WUC) 372(DEC) IRRIGATION: Sole SUPPLY ###PLACE OF USE: Sec 02 T 15S R 13E SLEM *** SUPPLEMENTAL GROUP NO.: 6 91-28(CERT), 84(CERT), 114(1 140(CERT), 141(CERT), 159(CE) 361(DEC), 362(WUC), 363(DEC) 369(WUC), 372(DEC) IRRIGATION: Sole SUPPLY ###PLACE OF USE: Sec 01 T 15S R 13E SLEM Sec 02 T 15S R 13E SLEM Sec 02 T 15S R 13E SLEM *** SUPPLEMENTAL GROUP NO.: 6 91-19(CERT), 28(CERT), 155(WIC) *** SUPPLEMENTAL GROUP NO.: 6 91-19(CERT), 28(CERT), 84(CERT), 152(WIC), 84(CERT), 124(CERT), 125(WIC), 84(CERT), 126(CERT), 125(WIC), 125(CERT), 125(WIC),	(MUC), 118 (ERT), 146 (ERT), 146 (FRT), 361(I) (FRT), 369(WUC) * NW *	Water Rigorn Services of the Country	Ights Apples (CERT) GUARTER SW 1 Ights Apples (GUC) GUECO COLUMN 1 Ights Apples (GUC) Ights Apples (GUC	roup Tota SE * urtenant oup Tota se was a second or s	al: 15.6	following ORTH EAST NE	g use(s) Div Lim QUARTER SW	: se * it: 582.5 * * * * * * * * * * * * *	22 acftSC NW 3.8000 SC NW 6 acftSO NW 9.4100 26	PERIL DETAIL STATE OF THE PERIL PER	OD OF US QUARTER SW S.8200 QUARTER SW QUARTER SW QUARTER SW QUARTER SW QUARTER SW QUARTER SW	E: 04/01 SE * 0.9000* E: 04/01 SE *	TO 10/3SC NW SC NW	GROUP TH EAST NE GROUP TH EAST NE GROUP	=

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DOMESTIC: Sole Supply: UNEVALUATED EDUS Group Total: 105.0000
Domestic uses in Columbia, Utah.
                                                                                                                           Div Limit: 76.44 acft. PERIOD OF USE: 01/01 TO 12/31
                                                                       SUPPLEMENTAL GROUP NO.: 613981. Water Rights Appurtenant to the following use(s):
  91-28 (CERT), 84 (CERT), 114 (WUC), 118 (CERT), 125 (WUC)
139 (CERT), 140 (CERT), 141 (CERT), 142 (CERT), 143 (CERT)
145 (CERT), 146 (WUC), 158 (CERT), 159 (CERT), 178 (CERT)
360 (DEC), 361 (DEC), 362 (WUC), 363 (DEC), 367 (WUC)
368 (WUC), 369 (WUC), 372 (DEC)
 DOMESTIC: Sole Supply: UNEVALUATED EDUS Group Total: 770.0000 Div Limit: 560.50 Flow for domestic is part of flow for irrigation. Domestic use at unincorporated areas at Sunnyside and East Carbon.
                                                                                                                 Div Limit: 560.56 acft. PERIOD OF USE: 01/01 TO 12/31
                                                                                      --------------
  SUPPLEMENTAL GROUP NO.: 613983. Water Rights Appurtenant to the following use(s):
 91-19 (CERT), 28 (CERT), 84 (CERT), 99 (CERT), 114 (WUC)
118 (CERT), 125 (WUC), 141 (CERT), 143 (CERT), 145 (CERT)
146 (WUC), 158 (CERT), 159 (CERT), 178 (CERT), 332 (UGWC)
360 (DEC), 361 (DEC), 362 (WUC), 363 (DEC), 367 (WUC)
368 (WUC), 369 (WUC), 372 (DEC)
                                                   NAME: Columbia
    MINING: DISTRICT: Columbia
                                                                                                                                                                     PERIOD OF USE: 01/01 TO 12/31
                            ORES: coal
                          Acre Feet Contributed by this Right for this Use: Unevaluated
 SUPPLEMENTAL GROUP NO.: 613984. Water Rights Appurtenant to the following use(s):
 91-28 (CERT), 84 (CERT), 114 (WUC), 118 (CERT), 125 (WUC)
141 (CERT), 143 (CERT), 145 (CERT), 158 (CERT), 159 (CERT)
360 (DEC), 361 (DEC), 362 (WUC), 363 (DEC), 367 (WUC)
368 (WUC), 369 (WUC), 372 (DEC)
                   DISTRICT: Sunnyside
ORES: coal
                                                   NAME: Sunnyside
   MINING: I
                                                                                                                                                                      PERIOD OF USE: 01/01 TO 12/31
                          Acre Feet Contributed by this Right for this Use: Unevaluated
SUPPLEMENTAL GROUP NO.: 613985. Water Rights Appurtenant to the following use(s):
91-28 (CERT), 84 (CERT), 114 (WUC), 118 (CERT), 125 (WUC)
141 (CERT), 143 (CERT), 145 (CERT), 146 (WUC), 148 (CERT)
149 (CERT), 150 (CERT), 158 (CERT), 159 (CERT), 178 (CERT)
183 (CERT), 360 (DEC), 361 (DEC), 362 (WUC), 363 (DEC)
367 (WUC), 368 (WUC), 369 (WUC), 372 (DEC)
                                                 NAME: Horse Canyon
   MINING: DISTRICT: Columbia
                                                                                                                                                                     PERIOD OF USE: 01/01 TO 12/31
                           ORES: Coal
Administratively changed on Feb 14, 2007, by deleting the Domestic entry for 800 persons, and adding it to this Mining entry. The Mining was to employ and/or service the 800 persons.
   INDUSTRIAL: In conjunction with the coal mining occuring at Horse Canyon.

Acre Feet Contributed by this Right for this Use: Unevaluated
                                                                                                                                                                    PERIOD OF USE: 01/01 TO 12/31
SUPPLEMENTAL GROUP NO.: 614007.
                                                      Water Rights Appurtenant to the following use(s):
91-28 (CERT), 84 (CERT), 114 (WUC), 118 (CERT), 125 (WUC)
141 (CERT), 146 (WUC), 158 (CERT), 360 (DEC), 361 (DEC)
362 (WUC), 363 (DEC), 367 (WUC), 368 (WUC), 369 (WUC)
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(WARNING: Water Rights makes NO claims as to the accuracy of this data.) RUN DATE: 01/26/2011 WATER RIGHT: 91-118 APPLICATION/CLAIM NO.: A12554 CERT. NO.: 4137 ____Certificate a532 (Issued: ____Certificate a532 (Issued: a4248 NAME: Sunnyside Cogeneration Associates (Public Water Supplier) ADDR: c/o Plant Manager P.O. Box 159
Sunnyside UT 84539
INTEREST: 100% REM REMARKS: LAND OWNED BY APPLICANT? FILED: 11/05/1937|PRIORITY: 11/05/1937|PUB BEGAN:
ProtestEnd: |PROTESTED: (No. COUNTY TAX ID#: | PUB ENDED: PROTESTED: (No INEWSPAPER:] | HEARNG HLD: | ISE ACTION: [Approved] | ActionDate:07/09/1938 | PROOF DUE: | ICERT/WUC: 03/26/1971 | LAP, ETC: | LAPS LETTE EXTENSION: |ELEC/PROOF: [| | ELEC/PROOF: RUSH LETTR: [RENOVATE: IRECON REQ: PD BOOK: [91-5] | MAP: [58c | TYPE -- DOCUMENT -- STATUS-----TYPE: [] | PUB DATE: Type of Right: Application to Appropriate Source of Info: Proposed Determination Status: Certificate FLOW: 5.0 cfs SOURCE: Grassy Trail Creek COUNTY: Carbon COMMON DESCRIPTION: POINTS OF DIVERSION -- SURFACE: (1) S 2824 ft W 1166 ft from N4 cor, Sec 07, T 145, R 14E, SLBM Diverting Works: Source: S 1163 ft W 644 ft from NE cor, Sec 18, T 14S, R 14E, SLBM Diverting Works: (3) N 1521 ft W 1983 ft from SE cor, Sec 29, T 145, R 14E, SLBM Source: Diverting Works: Source: S 1013 ft E 125 ft from W4 cor, Sec 01, T 15S, R 13E, SLBM Diverting Works (5) N 1604 ft E 1245 ft from SW cor, Sec 02, T 15S, R 13E, SLBM Diverting Works: (6) N 750 ft W 1345 ft from SE cor, Sec 03, T 15S, R 13E, SLBM Source: Diverting Works: Source: 566 ft E 4323 ft from NW cor, Sec 09, T 155, R 13E, SLBM Diverting Works: Source: (8) S 1149 ft E 1320 ft from NW cor, Sec 09, T 15S, R 13E, SLBM Diverting Works: Source: ft E 2390 ft from W4 cor, Sec 06, T 15S, R 14E, SLBM Diverting Works: Source: Stream Alt Required?: No USES OF WATER RIGHT******* ELU -- Equivalent Livestock Unit (cow, horse, etc.) ******* EDU -- Equivalent Domestic Unit or 1 Family SUPPLEMENTAL GROUP NO.: 613926. Water Rights Appurtenant to the following use(s): 91-28(CERT), 84(CERT), 100(WUC), 114(WUC), 118(CERT)
125(WUC), 141(CERT), 158(CERT), 350(DEC), 361(DEC)
363(WUC), 441(CERT), 363(WUC), 364(WUC), 364(WUC) 362 (WUC), 363 (DEC), 367 (WUC), 368 (WUC), 369 (WUC) 372 (DEC) IRRICATION: Sole Supply: UNEVALUATED acres Group Total: 66.5 Div Limi Water User's Claim No. 100 is limited to the irrigation requirements of 6.54 acres. Div Limit: 266.0 acft. PERIOD OF USE: 06/15 TO 09/15 E: *-----NORTH WEST QUARTER------NORTH ###PLACE OF USE: -NORTH EAST QUARTER----SOUTH WEST QUARTER----*--SOUTH EAST * NW | NE | SW | SE * NW * NW I SW NE l NE SW | SE * NW | NE Sec 03 T 15S R 13E SLBM * Sec 10 T 15S R 13E SLBM * 30.0000 GROUP SUPPLEMENTAL GROUP NO.: 613974. Water Rights Appurtenant to the following use(s): 91-28 (CERT), 84 (CERT), 114 (CERT), 125 (WUC)
141 (CERT), 158 (CERT), 360 (DEC), 361 (DEC), 362 (WUC)
363 (DEC), 367 (WUC), 368 (WUC), 369 (WUC), 372 (DEC) IRRIGATION: Sole Supply: UNEVALUATED acres Div Limit: 3729.6 acft. Group Total: 932.4 PERIOD OF USE: 04/01 TO 10/31 . -NORTH EAST QUARTER-----*---SOUTH WEST QUARTER----###PLACE OF USE: -NORTH WEST QUARTER----* SOUTH EAST * NW NW NE SE NE I SW 1 SE * NW NE | SE * NW Sec 24 T 15S R 12E SLBM * SW 110.1000 i 6.6000* Sec 02 T 15S R 13E SLBM Sec 03 T 15S R 13E SLBM *12.3000|14.0800|23.8300|34.2900*21.9500| 7,40001 2 Sec 07 T 155 R 13E SLBM Sec 08 T 155 R 13E SLBM *
Sec 10 T 155 R 13E SLBM * 8.0000 *38.3000|39.5000|40 139.6000 2.5000*20.9500 |31.0000||11.9000*40.0000||40.0000||40.0000||40.0000* 4.5500| 0.2000 | 10.1000* 34.5000| 3.2000 3 Sec 11 T 15S R 13E SLBM *14.3000|

	Sec 17 T 15S R 13E SLBM *	1	140.000	0.1	*	i									
	Sec 18 T 15S R 13E SLBM * Sec 19 T 15S R 13E SLBM *31.9	90001			*40.000	0 40.0000	i <u>-</u>	40.000	*	_ _ 14.8000	7.7000	112.0000	*	-!	<u> </u> _
	Sec 24 T 15S R 13E SLBM * Sec 06 T 15S R 14E SLBM *		<u> </u>	- <u> </u>	*	10.1000		6.600	*		¦	<u> </u>	*		į:
			- '	-'	·	-'	·'——		_*11.280		'		*	GRO	i_ i
,	*** SUPPLEMENTAL GROUP NO.: 61397 91-28 (CERT), 37 (CERT), 84 (CERT), 125 (WUC), 141 (CERT), 158 (CERT), 3 362 (WUC), 363 (DEC), 367 (WUC), 368 372 (DEC)	114 (WUC), 11	Rights App. 8 (CERT)	ppurtena	nt to th	e follow:	ing use(s):					====		
	IRRIGATION: Sole Supply: UNE														
					. 102		PIVI	ilmit: 41	1.4 acit	. PEI	RIOD OF t	USE: 04/	01 TO 1	0/31	
	* NW	NORTH WE													ST
	Sec 24 T 15S R 12E SLBM *			.¦	*	1	<u> </u>	¦	*	-	12.1000		*	1 3.70001	!
	Sec 25 T 15S R 12E SLBM * Sec 19 T 15S R 13E SLBM *	_		<u> </u>		1 2.6500			*		12.1000		*	_ 3.7000	_
	Sec 30 T 155 R 13E SLBM *31.0					1	1		* 4.7000	11		6.2000		GROU	
	** SUPPLEMENTAL GROUP NO.: 61397 91-28 (CERT), 84 (CERT), 114 (WUC), 138 (WUC), 141 (CERT), 158 (CERT), 3 362 (WUC), 363 (DEC), 367 (WUC), 368 372 (DEC) IRRIGATION: Sole Supply: UNE	118 (CERT), 1: 60 (DEC), 361 (WUC), 369 (W	25 (WUC) (DEC) UC)	opur cenan	t to the	3 LOTTOMI	ng use(s	;):							==
					,	_	DIV D.	IMIL: 28	e.s acit	 PER 	IOD OF U	SE: 04/0)1 TO 10	/31	
	###PLACE OF USE: * * NW	NORTH WES	ST QUARTI	ER		NORTH EAS	T QUARTI	ER	*	SOUTH WES	· · · · · · · ·				Т
						· —— ·	5012000	123.0000				*	NW	NE	
	**************************************	/. Water R 118 (CERT), 12 146 (WUC), 158 51 (DEC), 362 (WUC), 372 (DE	ights Ap 25(WUC) 3(CERT) (WUC) CC)	purtenan	t to the	following for the following fo	ng use(s):						GROU	===
	***************************************			noup roc	a1, 13.	33	DIA LI	.mit: 62.	52 acft.	PER	OD OF US	SE: 04/0	1 TO 10	/31	
	###PLACE OF USE: * * NW	NORTH WES	T QUARTE	CR*)	NORTH EAS	T QUARTE	:R*		OUTH WEST	QUARTE			 SOUTH EAST	r
-	Sec 17 T 15S R 14E SLBM * Sec 18 T 15S R 14E SLBM *	_		*		NE	OW	>≞ ×	3.8000 I	NE 5.2100	SW	SE *	NW	NE	_
1	SUPPLEMENTAL GROUP NO.: 613978 91-28 (CERT), 84 (CERT), 114 (WUC), 1337 (CERT), 141 (CERT), 158 (CERT), 3 162 (WUC), 363 (DEC), 367 (WUC), 368 (372 (DEC)	18 (CERT), 12 60 (DEC), 361	ughts App 5(WUC) (DEC)	purtenant	to the	followin	g use(s)	=======				:=====:	=====	GROUF	:=
	IRRIGATION: Sole Supply: UNEV	DOMILL ACT	eo G	TOUD TOU	91: 11.4	5	Div Li	mit: 45.	8 acft.	PERI	OD OF US	E: 04/01	TO 10	· · · '31	
·		NORTH WES	T QUARTE	R*	N					OUTH WEST				OUTH EAST	
-	Sec 02 T 15S R 13E SLBM *	NE		SE *	NW !	NE	SW	SE *	NW	NE	SW	SE *	NW	NE 11.4500	
9 1 1 3	UPPLEMENTAL GROUP NO.: 613979 1-28 (CERT), 84 (CERT), 114 (WUC), 1 40 (CERT), 141 (CERT), 124 (CERT), 17 46 (WUC), 158 (CERT), 159 (CERT), 17 61 (DEC), 362 (WUC), 363 (DEC), 367 (1 69 (WUC), 372 (DEC)	Water Ri 18(CERT),12: 43(CERT),14: 8(CERT),360	ghts App 5(WUC) 5(CERT) (DEC)	ourtenant	to the	followin	g use(s)	:				91		GROUP	=
	IRRIGATION: Sole Supply: UNEVF	TOWIED SCIE	es GI	roup Tota	1: 149.	02	Div Lim	nit: 582.	56 acft.	PERIO	DD OF USI				
	Sec 01 T 15S R 13E SLBM * Sec 02 T 15S R 13E SLBM *			**		NE I		SE * *1 *	NW 9.4100 2	NE 6.3100 6	SW 5.5600 15	SE * 5.9300*2	NW 0.8800	NE 8.6200 8	5
9 13 13	UPPLEMENTAL GROUP NO.: 613980 1-19(CERT), 28(CERT), 84(CERT), 12 20(CERT), 124(CERT), 125(WUC), 141 45(CERT), 146(WUC), 358(CERT), 159 50(DEC), 361(DEC), 362(WUC), 363(DEC)	Water Ric 4(WUC),118((CERT),143(Ints Appu <u>CERT)</u> CERT) CERT)	urtenant	to the	following	use(s):					:356222	*****		ī
Do	DOMESTIC: Sole Supply: UNEVA	LUATED EDUS	Gr	oup Tota	1: 105.0	000	Div Lim	it: 76.4			D OF USE				
91 13	JPPLEMENTAL GROUP NO.: 613981. -28 (CERT), 84 (CERT), 114 (WUC), 11 99 (CERT), 140 (CERT), 141 (CERT), 14 15 (CERT), 146 (WUC), 158 (CERT), 159	8 (CERT), 125 2 (CERT), 143	nts Appu (WUC) (CERT)	ırtenant	to the	Following	use(s):				== 702				

360 (DEC), 361 (DEC), 362 (WUC), 363 (DEC), 367 (WUC) 368 (WUC), 369 (WUC), 372 (DEC)	
DOMESTIC: Sole Supply: UNEVALUATED EDUS Group Total: 770.0000 Div Limit: 560.56 acft. PERIOD OF USE: 01/01 TO 12/31 Sunnyside and East Carbon.	
SUPPLEMENTAL GROUP NO.: 613983. Water Rights Appurtenant to the following use(s): 91-19(CERT), 28(CERT), 84(CERT), 99(CERT), 114 (WUC) 118(CERT), 125(WUC), 141(CERT), 143(CERT), 145(CERT) 146(WUC), 158(CERT), 159(CERT), 178(CERT), 322(UGWC) 360(DEC), 361(DEC), 362(WUC), 363(DEC), 367(WUC) 368(WUC), 369(WUC), 372(DEC)	=:01
MINING: DISTRICT: Columbia NAME: Columbia PERIOD OF USE: 01/01 TO 12/31 ORES: coal PERIOD OF USE: 01/01 TO 12/31 Acre Feet Contributed by this Right for this Use: Unevaluated SUPPLEMENTAL GROUP No. 613084 Material Processing Supplemental Group No. 613084	
SUPPLEMENTAL GROUP NO.: 613984. Water Rights Appurtenant to the following use(s): 91-28(CERT), 94(CERT), 114(MUC), 118(CERT), 125(MUC) 141(CERT), 143(CERT), 145(CERT), 159(CERT) 360(DEC), 361(DEC), 362(MUC), 363(DEC), 367(MUC) 368(MUC), 369(MUC), 372(DEC)	***
MINING: DISTRICT: Sunnyside NAME: Sunnyside FERIOD OF USE: 01/01 TO 12/31 ORES: coal Acre Feet Contributed by this Right for this Use: Unevaluated	
SUPPLEMENTAL GROUP NO.: 613985. Water Rights Appurtenant to the following use(s): 91-28(CERT), 84(CERT), 114(WUC), 118(CERT), 125(WUC) 141(CERT), 143(CERT), 145(CERT), 146(WUC), 148(CERT) 149(CERT), 150(CERT), 158(CERT), 159(CERT), 178(CERT) 183(CERT), 360(DEC), 361(DEC), 362(WUC), 363(DEC) 367(WUC), 368(WUC), 369(WUC), 372(DEC)	1
MINING: DISTRICT: Columbia NAME: Horse Canyon PERIOD OF USE: 01/01 TO 12/31 ORES: Coal PERIOD OF USE: 01/01 TO 12/31 Acre Feet Contributed by this Right for this Use: Unevaluated	
Administratively changed on Feb 14, 2007, by deleting the Domestic entry for 800 persons, and adding it to this Mining entry. The Mining was to employ and/or service the 800 persons.	
INDUSTRIAL: In conjunction with the coal mining occuring at Horse Canyon. PERIOD OF USE: 01/01 TO 12/31 Acre Feet Contributed by this Right for this Use: Unevaluated *	===
SUPPLEMENTAL GROUP NO.: 614007. Water Rights Appurtenant to the following use(s): 91-28 (CERT), 134 (WUC), 118 (CERT), 125 (WUC) 141 (CERT), 146 (WUC), 158 (CERT), 360 (DEC), 361 (DEC) 362 (WUC), 363 (DEC), 367 (WUC), 368 (WUC), 369 (WUC) 372 (DEC)	
IRRIGATION: Sole Supply: UNEVALUATED acres Group Total: 11.28 Div Limit: 45.12 acft. PERIOD OF USE: 04/01 TO 10/15	
* NW NE SW SE * NW NE SW SW SW SW SW SW SW S	3 T
*=====================================	JP
SUPPLEMENTAL GROUP NO.: 614158. Water Rights Appurtenant to the following use(s): 91-28(CERT), 94(CERT), 114(WUC), 118(CERT), 125(WUC) 141(CERT), 143(CERT), 145(CERT), 145(CERT), 145(CERT), 145(CERT), 145(CERT), 178(CERT), 239(APP), 360(DEC), 361(DEC) 362(WUC), 363(DEC), 367(WUC), 368(WUC), 369(WUC) 372(DEC)	==
MUNICIPAL: Sunnyside Acre Feet Contributed by this Right for this Use: Unevaluated ***********************************	

POWER: SCA Steam Generation Power Plant, rated at 58 MW. CFS Contributed by this Right for this Use: Unevaluated PERIOD OF USE: 01/01 TO 12/31	
###PLACE OF USE: *NORTH WEST QUARTER*	
GROUNTHIS Right (91-118) has an evaluated sole-supply total for irrigation of 0.0000 acres.	?
This Right (91-118) is a member of 15 supplemental water right groups with irrigated acreage totaling 1361.3300 acres.	
Storage from 03/15 to 12/15, inclusive, in Grassy Trail Reservoir with a maximum capacity of 916.000 acre-feet, located in: Height of Dam: NORTH-WEST¼ NORTH-EAST¼ SOUTH-WEST¼ SOUTH-EAST¼ Area Inundated: NW NE SW SE NW NE SW SE NW NE SW SE NW NE SW SE Sec 07 T 14S R 14E SLBM * : : : * * : : * * X: : : * * X: : : * * * : : : *	
Small Dam Required?: No	

Also included in this claim is Certificate Number a-532. WUC No. 91-118 is limited to the irrigation requirements of 43.0 acres.

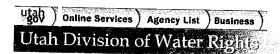
utah)	Online Services	Agency List	Business	7
Utah	Division of	of Water	Rights	



THIS RIGHT IS BEING PROTESTED IN A PROPOSED DETERMINATION BOOK!!!

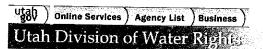
(WARNING: Water Rights makes NO claims as to the accuracy of this data.) RUN DATE: 01/26/2011 WATER RIGHT: 91-125 APPLICATION/CLAIM NO.: A13333 CERT. NO.: 7765 CHANGES: a3408 Certificate 7765 (Issued:) A234 Certificate 7765 (Issued:)
OWNERSHIP************************************
NAME: East Carbon City (Public Water Supplier) ADDR: 200 East Park Place East Carbon UT 84520 INTEREST: 50% REMARKS:
NAME: Sunnyside City (Public Water Supplier) ADDR: P.O. Box 69 Sunnyside UT 84539 INTEREST: 50% REMARKS:
DATES, ETC. ************************************
LAND OWNED BY APPLICANT? COUNTY TAX ID#: FILED: 02/13/1940 PRIORITY: 02/13/1940 PUB BEGAN: PUB ENDED: NEWSPAPER: ProtestEnd: PROTESTED: [No HEARNG HLD: SE ACTION: [Approved] ActionDate:09/20/1940 PROOF DUE: EXTENSION: ELEC/PROOF:
LOCATION OF WATER RIGHT*** (Points of Diversion: Click on Lorabian
FLOW: 5.0 cfs SOURCE: Grassy Trail Creek
POINTS OF DIVERSION SURFACE: (1) S 2824 ft w 1166 ft from N4 cor, Sec 07, T 14S, R 14E, SLBM Diverting Works: (2) S 1163 ft w 644 ft from NE cor, Sec 18, T 14S, R 14E, SLBM Diverting Works: (3) N 1521 ft w 1983 ft from SE cor, Sec 29, T 14S, R 14E, SLBM Diverting Works: (4) S 1013 ft te 125 ft from W4 cor, Sec 01, T 15S, R 13E, SLBM Diverting Works: (5) N 750 ft w 1345 ft from SE cor, Sec 02, T 15S, R 13E, SLBM Diverting Works: (6) N 1604 ft E 1245 ft from SW cor, Sec 02, T 15S, R 13E, SLBM Diverting Works: (7) S 566 ft 4 9233 ft from NW cor, Sec 09, T 15S, R 13E, SLBM Diverting Works: (8) S 149 ft E 1200 ft from NW cor, Sec 09, T 15S, R 13E, SLBM Diverting Works: (9) N 9, ft E 2390 ft from W4 cor, Sec 06, T 15S, R 14E, SLBM Diverting Works: (9) N 9, ft E 2390 ft from W4 cor, Sec 06, T 15S, R 14E, SLBM Diverting Works: (9) N 9, ft E 2390 ft from W4 cor, Sec 06, T 15S, R 14E, SLBM Diverting Works: (10) S 14E PATER RIGHT******** ELU Equivalent Livestock Unit (cow, horse, etc.) ********* EDU Equivalent Domestic Unit or 1 Family Supplemental Group No.: 613926. Water Rights Appurtenant to the following use(s): 101-28 (CERT), 84 (CERT), 100 (MUC), 114 (MUC), 118 (CERT) 1025 (MUC), 363 (DEC), 367 (MUC), 368 (WUC), 369 (WUC)
IRRIGATION: Sole Supply: UNEVALUATED acres Group Total: 66.5 Div Limit: 266.0 acft. PERIOD OF USE: 06/15 TO 09/15 later User's Claim No. 100 is limited to the irrigation requirements of 6.54 acres.
* NW NE SW SE * NW NE SW SW SW SW SW SW SW S
GROUP UPPLEMENTAL GROUP NO.: 613974. Water Rights Appurtenant to the following use(s): 1-28 (CERT), 84 (CERT), 114 (WUC), 118 (CERT), 125 (WUC) 41 (CERT), 158 (CERT), 360 (DEC), 361 (DEC), 362 (WUC) 63 (DEC), 367 (WUC), 368 (WUC), 369 (WUC), 372 (DEC)
IRRIGATION: Sole Supply: UNEVALUATED acres Group Total: 932.4 Div Limit: 3729.6 acft. PERIOD OF USE: 04/01 To 10/31
###PLACE OF USE: *NORTH WEST QUARTER*NORTH EAST QUARTERSOUTH WEST QUARTERSOUTH EAST

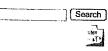
Sec 24 T 15S R 12E SLBM	* NW	I NE	SW	SE	* NW	NE	SW	SE	* NW	NE NE	SW	I SE	* NW	I NE I
Sec 02 T 15S R 13E SLBM	*	¦	¦	!	*	10.1000	!	6.6000		I	l	i	*	
Sec 03 T 15S R 13E SLBM	*	i ——	i — —	·	*	-	·	¦	*12.3000 *	114.0800	123.8300	34.2900		(i_
Sec 07 T 15S R 13E SLBM	*			,		i	i	·	*	¦	<u> </u>	·		7.40001 2
Sec 08 T 15S R 13E SLBM Sec 10 T 15S R 13E SLBM	* 0.0000	39.6000			20.9500	·	31.0000	111.9000	*40.0000	40.0000	40.0000	140 0000	* 4 5500	39.5000 40
Sec 11 T 15S R 13E SLBM	*14 3000		0.2000	10.1000	·	134.5000	3.2000	·	*	i	, , ,	1	*	°
Sec 17 T 15S R 13E SLBM	*		40.0000	¦;		<u> </u>	!		*			i	·	
_Sec 18 T 15S R 13E SLBM	*			8.9000	40.0000	40 0000	!	40.0000	<u> </u>	1		-	*	ii
Sec 19 T 15S R 13E SLBM	*31.9000				,	1	`	140.0000	<u>.</u>	14.8000	7,7000	12.0000		
Sec 24 T 15S R 13E SLBM Sec 06 T 15S R 14E SLBM	<u>*</u>			·*		10.1000		6.6000	*	;——		¦;	·	
_scc os 1 133 K 14E SLBM	·——			*				·	*11.2800			¦,		,¦
*=====================================			=======			=====								GROUP
SUPPLEMENTAL GROUP NO.: 91-28 (CERT), 37 (CERT), 84 (C 125 (WUC), 141 (CERT), 158 (CE 362 (WUC), 363 (DEC), 367 (WUC) 372 (DEC)	ERT), 360 (I C), 368 (WUC	EC), 361 (), 369 (WU	(DEC)				ng use(s):		-				
IRRIGATION: Sole Supply	· · · · · · · · · · · · · · · · · · ·	ATED acr	es c	roup Tot	al: 102.	85		mit: 411	.4 acft.		IOD OF U	JSE: 04/0	 1 TO 10/	31
###PLACE OF USE:	*N	ORTH WES	T QUARTE	R*		ORTH EAS	T OUARTE	:*		OUTH WES	T OURDER		· · · · · · · <u>·</u>	• • • • • • • • • • • • • • • • • • • •
Sec 19 T 155 R 12E SLBM	* NW (NE I	SW	SE *	NW	NE I	SW	SE *	NW					OUTH EAST
Sec 24 T 15S R 12E SLBM	·		!	*	!	!		*	i		12.1000		IAM I	NE (
Sec 25 T 15S R 12E SLBM	*	 ¦	!	*		2 (500)	!	*			i	*		3.7000
Sec 19 T 15S R 13E SLBM	*					2.65001			!	!	اللسا	*		i
Sec 30 T 15S R 13E SLBM	*31.00001	i	22.20001	4.3000*		'	'		4,70001		12.1000	*		
=====================================				•		· · · · · ·						6.2000		GROUP
SUPPLEMENTAL GROUP NO: 6 91-28 (CERT), 84 (CERT), 114 (138 (WUC), 141 (CERT), 158 (CE 362 (WUC), 363 (DEC), 367 (WUC 372 (DEC)	RT), 360 (D	EC), 361 (DEC) C)			TOTTOWN	g use(s)	•						
IRRIGATION: Sole Supply	: UNEVALU	ATED acre	es G	roup Tota	1. 72 2		Div Li	mit: 288.		PERI	OD OF II	SE: 04/01	TO 10/	
###PLACE OF USE:	 .												. 10 10/.	, <u>1</u>
•	* NW	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	r COUNTIE	\		JETH EAST	I. CHIVBLE	R*- SE *		OUTH WEST	QUARTE	₹*-	sc	OUTH EAST
Sec 10 T 155 R 13E SLBM	•i_	i		L9.0000*	INW [1.5	5W [30.200013	SE *	NW	NE į	SW	SE *	NW	NE
*				_							'.	*_	ا	
SUPPLEMENTAL GROUP NO.: 6 91-28 (CERT), 84 (CERT), 114 (R	NUC).118(Water Ric	ghts App ព្រោយ	urtenant	to the	followin	g use(s)	:	*=======		t usses:	======		GROUP
141 (CERT), 143 (CERT), 145 (CERT) 159 (CERT), 178 (CERT), 360 (DE 363 (DEC), 367 (WUC), 368 (WUC)	ERT), 146 (P	(C) , 158 (W	(CERT)											
IRRIGATION: Sole Supply:	INFVALUE				;			::::-:						
			GI	oup Tota	1; 15.63	1	DIA TIM	ut: 62.5	2 acft.	PERI	OD OF US	E: 04/01	TO 10/3	1
###PLACE OF USE: *	NW I				NC	RTH EAST	QUARTER		SO	UTH WEST	OHARTER	*-		UTH FAST
Sec 17 T 15S R 14E SLBM *		NE I	SW I	SE *	NW	NE	SW	SE *	IVW	NE	SW	SE *	NW /	NE
Sec 18 T 15S R 14E SLBM *	i-		¦-		!-	!_	 !-	*	3.80001_		5.82001_	*	i	i
							'_			5.2100 _		0.8000*		
*======================================								=======		========		=====		GROUP
SUPPLEMENTAL GROUP NO.: 61 91-28 (CERT), 84 (CERT), 114 (W 137 (CERT), 141 (CERT), 158 (CE 362 (WUL), 363 (DEC), 367 (WUC) 372 (DEC)	UC), 118 (C RT), 360 (D	later Rig ERT), <u>125</u> EC),361(nts Appu (WUC) DEC)	rtenant	to the i	following	use(s):					·		
									• • • • • • •		• • • • • • •			





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(WARNING: Water Rights makes NO claims as to the accuracy of this data.) RUN DATE: 01/26/2011
 WATER RIGHT: 91-140
                        APPLICATION/CLAIM NO.: A15617
                                                        CERT. NO.: 5520
 CHANGES: <u>a2597</u>
              ____Certificate 5520 (Issued: )
 NAME: East Carbon City
 ADDR: P.O. Box 70
      East Carbon UT 84520
 INTEREST: 100%
 LAND OWNED BY APPLICANT?
                                        COUNTY TAX ID#:
          12/18/1943|PRIORITY: 12/18/1943|PUB BEGAN: : | PROTESTED: [No ] | HEARNG HLD
                                                           | PUB ENDED:
 ProtestEnd:
                                                                               | NEWSPAPER:
                                      ] | HEARNG HLD:
                                                           [SE ACTION: [Approved] | ActionDate: 04/28/1945 | PROOF DUE:
 EXTENSION:
                   |ELEC/PROOF:[
                                                           |CERT/WUC: 03/25/1971|LAP, ETC:
                                      ] | ELEC/PROOF:
 RUSH LETTR:
                   | RENOVATE:
                                       RECON REQ:
                                                           TYPE: [
 PD BOOK: [91-5 ] | MAP: [58c *TYPE -- DOCUMENT -- STATUS----
                                      ] | PUB DATE:
 Type of Right: Application to Appropriate
                                         Source of Info: Proposed Determination
                                                                                  Status: Certificate
FLOW: 50.0 acre-feet
                                             SOURCE: Grassy Trail Creek
COUNTY: Carbon
                   COMMON DESCRIPTION:
POINT OF DIVERSION -- SURFACE:
(1) S 2824 ft W 1166 ft from NE cor, Sec 12, T 14S, R 13E, SLBM
     Diverting Works:
                                                                   Source:
Stream Alt Required?: No
POINTS OF REDIVERSION:
(1) S 1163 ft W 645 ft from NE cor, Sec 18, T 14S, R 14E, SLBM
     Diverting Works:
                                                                   Source:
(2) N 1521 ft W 1983 ft from SE cor, Sec 29, T 14S, R 14E, SLBM
     Diverting Works:
(3) S 1013 ft E 125 ft from W4 cor, Sec 01, T 15S, R 13E, SLBM
     Diverting Works:
                                                                   Source:
(4) N 91 ft E 2391 ft from W4 cor, Sec 06, T 15S, R 14E, SLBM
     Diverting Works:
USES OF WATER RIGHT****** ELU -- Equivalent Livestock Unit (cow, horse, etc.) ******* EDU -- Equivalent Domestic Unit or 1 Family
SUPPLEMENTAL GROUP NO.: 613979. Water Rights Appurtenant to the following use(s):
91-28 (CERT), 84 (CERT), 114 (WUC), 118 (CERT), 125 (WUC)
140 (CERT), 141 (CERT), 142 (CERT), 143 (CERT), 145 (CERT)
146 (WUC), 158 (CERT), 159 (CERT), 178 (CERT), 360 (DEC)
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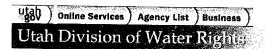




(WARNING: Water Rights makes NO claims as to the accuracy of this data.) RUN DATE: 01/26/2011 WATER RIGHT: 91-141
NAME: East Carbon City (Public Water Supplier) ADDR: P.O. Box 70 East Carbon UT 84520 INTEREST: 100% REMARKS:
DATES, ETC.************************************
LAND OWNED BY APPLICANT? COUNTY TAX ID#: FILED: 12/18/1943 PRIORITY: 12/18/1943 PUB BEGAN: PUB ENDED: NEWSPAPER: ProtestEnd: FROTESTED: [No
LOCATION OF WATER RIGHT***/Points of Diversion, Click or Variety for
SOURCE: Grassy Trail Creek COUNTY: Carbon COMMON DESCRIPTION:
POINTS OF DIVERSION SURFACE:
(1) S 2824 ft W 1166 ft from N4 cor, Sec 07, T 14S, R 14E, SLBM Diverting Works:
(2) S 1163 ft W 644 ft from NE cor, Sec 18, T 14S, R 14E, SLBM Diverting Works:
(3) N 1521 ft w 1983 ft from SE cor, Sec 29, T 14S, R 14E, SLBM
Source: (4) S 1013 ft E 125 ft from W4 cor, Sec 01, T 15S, R 13E, SLRM
Diverting Works: Source: (5) N 1604 ft E 1245 ft from SW cor, Sec 02, T 155, R 13E, SLBM
Diverting Works:
(6) N 750 ft W 1345 ft from SE cor, Sec 03, T 15S, R 13E, SLBM Diverting Works: Source:
1/) S 30/ It E 4324 It from NW cor, Sec 09, T 155, R 13E, SLBM Diverting Works:
(8) S 1149 ft E 1320 ft from NW cor, Sec 09, T 15S, R 13E, SLBM Diverting Works:
(9) N 91 ft E 2390 ft from W4 cor, Sec 06, T 15s, R 14E, SLBM
Source:
tream Alt Required?: No
SES OF WATER RIGHT******* ELU Equivalent Livestock Unit (cow, horse, etc.) ******* EDU Equivalent Domestic Unit or 1 Family
UPPLEMENTAL GROUP NO.: 613926. Water Rights Appurtenant to the following use(s): 1-28 (CERT), 84 (CERT), 100 (WUC), 114 (WUC), 118 (CERT) 25 (WUC), 141 (CERT), 158 (CERT), 360 (DEC), 361 (DEC) 62 (WUC), 363 (DEC), 367 (WUC), 368 (WUC), 369 (WUC)
TRRIGATION: Sole Supply: UNEVALUATED acres Group Total: 66.5 Div Limit: 266.0 acft. PERIOD OF USE: 06/15 TO 09/15 ater User's Claim No. 100 is limited to the irrigation requirements of 6.54 acres.
###PLACE OF USE: *NORTH WEST QUARTER*SOUTH EAST QUARTERSOUTH FAST
Sec 03 T 155 R 13E SLBM * NW NE SW SE * NW NE SW SE * NW NE
Sec 10 T 15S R 13E SLBM * 30.0000 *36.5000 *
GROUP UPPLEMENTAL GROUP NO.: 613974. Water Rights Appurtenant to the following use(s): 1-28(CERT), 84(CERT), 114(WUC), 118(CERT), 125(WUC) 14(CERT), 158(CERT), 360(DEC), 361(DEC), 362(WUC) 63(DEC), 367(WUC), 368(WUC), 369(WUC), 372(DEC)
IRRIGATION: Sole Supply: UNEVALUATED acres Group Total: 932.4 Div Limit: 3729.6 acft. PERIOD OF USE: 04/01 TO 10/31
###PLACE OF USE: *NORTH WEST QUARTER*SOUTH WEST OUARTERSOUTH WEST OUARTERSOUTH FAST
Sec 24 T 155 R 12E SLBM *
ec 02 T 15S R 13E SLBM * * * * * * * * * * * * * * * * * * *
ec 07 T 15S R 13E SLBM * * * * * * * * * * * * * * * * * * *
Sec. 10 T 15S R 13E SLBM * 8.0000 1 0.2000 10.1000* 34.5000 3 2000
ec 11 T 15S R 13E SLBM *14.3000
* 1

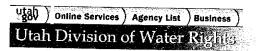
Sec 18 T 15S R 13E SLB Sec 19 T 15S R 13E SLB	M *	!	_[31.500	00 8.900	00*40.00	00 40.000	01	40.000	0*	114.800	00 7.700	00112.000	20*	1 .
Sec 24 T 15S R 13E SLB Sec 06 T 15S R 14E SLB	<u>M</u> *	_!		_	_*	 10.100	_ _ 	6,600	*	-¦	_	_	_*	
		_'	_'	_'	_*				*11.280		_i <u></u>		_*	
**************************************	(CERT), 11	4 (WUC), 1	.18 (CERT)		ant to t	he follow	ring use	(s):					**********	GROUI
IRRIGATION: Sole Suppl	Ly: UNEVA	LUATED a	cres	Group T	'ntal - 10	12 85	D.:				• • • • • • • •		• • • • • • •	
###PLACE OF USE:		-NORTH W	EST QUAR	TER	-*	-NORTH EA		Limit: 41			ERIOD OF			10/31 SOUTH EAST
Sec 19 T 15S R 12E SLBM	1 *	NE	SW	SE	* NW	NE	SW	SE	* NW	NE	SW	SE	* NW	-SOUTH EAST
Sec 24 T 158 R 12E SLBM Sec 25 T 158 R 12E SLBM	1 *		-	_	_*	2.6500	;		<u>.</u>	<u> </u>	_ 12.100	0	_*	3.7000
Sec 19 T 15S R 13E SLBM Sec 30 T 15S R 13E SLBM	* *31.000	01	22.200	0 4.300	*	_	<u> </u>	_	* 4.700		12.100	· ·	*	_ _
SUPPLEMENTAL GROUP NO.: 91-28 (CERT), 84 (CERT), 114 138 (WUC), 141 (CERT), 158 (C 362 (WUC), 363 (DEC), 367 (WU 372 (DEC)	(WUC), 110 ERT), 360 C), 368 (WI	Water 8(CERT), (DEC),36: UC),369(I	Rights A 125(WUC) 1(DEC) WUC)	Appurtena	ant to th	ne follow:	ing use((s):				_ 6.200		GROUP
IRRIGATION: Sole Suppl	y: UNEVAI	LUATED ac		Group To	 otal: 72		Dire 1					· • • • • • • • • • • • • • • • • • • •		
###PLACE OF USE:	*	NORTH WE	ST OUAR	TER	· · · · · · · · · · · · · · · · · · ·						RIOD OF			
Sec 10 T 15S R 13E SLBM	* NW *					I NE				NE	ST QUART	ER	* NW	-SOUTH EAST
*=====================================										·			.`	GROUP
91-28 (CERT), 84 (CERT), 114 141 (CERT), 143 (CERT), 145 (159 (CERT), 178 (CERT), 360 (363 (DEC), 367 (WUC), 368 (WUC)	(WUC), 118 CERT), 146 DEC), 361(C), 369(WU	Water 1 3 (CERT), 1 5 (WUC), 15 (DEC), 362 JC), 372 (D	Rights A 125(WUC) 58(CERT) 2(WUC) DEC)	ppurtena	nt to th	e followi	.ng use(s):						
IRRIGATION: Sole Supply		UATED ac	res	Croup Id	Lat. ID.	. 63	Div I	コロコナ・ もつ	52 acft	DE	DIOD OF	1100 046		
###PLACE OF USE:	*	NORTH WE	ST QUART	ER	*	NORTH EAS	T OHART	FR	· · · · · · · · · · · · · · · · · · ·	· · · · · · · ·		• • • • • • • •		
Sec 17 T 15S R 14E SLBM Sec 18 T 15S R 14E SLBM	*	NE NE	SW	SE	* NW	NE .	SW	1 3E *	3.8000	I NE	SW 5.8200 	I SE	* NW *	NE
SUPPLEMENTAL GROUP NO.: £ 91-28 (CERT), 24 (CERT), 114 (137 (CERT), 141 (CERT), 158 (CERT), 363 (DEC), 367 (WUC 372 (DEC)	(WUC), 118 (ERT), 360	Water F (CERT), <u>1</u> (DEC), 36	Rights Ar <u>25(WUC)</u> 1(DEC)	ppurtenar	nt to the	e followin	ng use(s							GROUP
IRRIGATION: Sole Supply	: UNEVAL	UATED ac	res	Group To	 tal: 11.		Div L							:::
###PLACE OF USE:	*1	NORTH WES	ST QUART	ER	*	NORTH FAS	T OUARTE			Ottomar rama	RIOD OF U			• • •
Sec 02 T 15S R 13E SLBM			SW	1 02	* NW *	1 145	SW	SE *	NW	NE	SW	SE *	NW	NE
*=====================================	=======================================													11.4500 GROUP
SUPPLEMENTAL GROUP NO.: 6 91-28 (CERT), 84 (CERT), 114 (C 140 (CERT), 141 (CERT), 142 (CERT), 159 (CE 146 (MUC), 158 (CERT), 159 (CE 361 (DEC), 362 (MUC), 363 (DEC 369 (MUC), 372 (DEC)	WUC), 118 ERT), 143 RT), 178 (C	(CERT), 12 (CERT), 14 (CERT), 360	25 (WUC) 45 (CERT) 0 (DEC)	purtenan	t to the	e followin	ng use(s):						
IRRIGATION: Sole Supply				Froup Tot	al: 149.		Div Li	mit: 582.	 .56 acft	PER	OD OF U	SE: 04/0	 1 TO 10/	· · · · · · · · · · · · · · · · · · ·
###PLACE OF USE:	*N		T QUARTE	R*		NORTH EAST	r quarte	R*-	s	OUTH WES				SOUTH EAST
Sec 01 T 15S R 13E SLBM Sec 02 T 15S R 13E SLBM				*				*1 *1	9.4100[NE 26.3100	SW I	SE *	NW I	NE 8.6200 8 26
**************************************	ERT), 114 (JC), 141 (C RT), 159 (C , 363 (DEC	Water Ri WUC),118 ERT),143	ights App (CERT) (CERT)	purtenant	t to the	following	g use(s)	:	******	*== = ==				GROUP
DOMESTIC: Sole Supply: Domestic uses in Columbia,	Utah.	ATED EDU:	s G	roup Tota	al: 105.		Div Lir	mit: 76.4			OD OF US			
SUPPLEMENTAL GROUP NO.: 61 91-28 (CERT), 84 (CERT), 114 (W 139 (CERT), 140 (CERT), 141 (CE 145 (CERT), 146 (WUC), 158 (CER 360 (DEC), 361 (DEC), 362 (WUC)	UC), 118 (0 RT), 142 (0 T), 159 (CF	CERT), 12: CERT), 14: CERT), 178	S (WUC) 3 (CERT) (CERT)	ourtenant	to the	following	use(s)	:				- *		********

368 (WUC), 369 (WUC), 372 (DEC)
DOMESTIC: Sole Supply: UNEVALUATED EDUS Group Total: 770.0000 Div Limit: 560.56 acft. PERIOD OF USE: 01/01 TO 12/31 Sunnyside and East Carbon.
SUPPLEMENTAL GROUP NO.: 613983. Water Rights Appurtenant to the following use(s): 91-19 (CERT), 28 (CERT), 94 (CERT), 99 (CERT), 114 (WUC) 118 (CERT), 125 (WUC), 141 (CERT), 143 (CERT), 145 (CERT) 146 (WUC), 158 (CERT), 159 (CERT), 178 (CERT), 332 (UGWC) 360 (DEC), 361 (DEC), 362 (WUC), 363 (DEC), 367 (WUC) 368 (WUC), 369 (WUC), 372 (DEC)
MINING: DISTRICT: Columbia NAME: Columbia PERIOD OF USE: 01/01 TO 12/31 ORES: coal PERIOD OF USE: 01/01 TO 12/31 Acre Feet Contributed by this Right for this Use: Unevaluated
91-28 (CERT), 94 (CERT), 114 (WUC), 118 (CERT), 125 (WUC) 141 (CERT), 143 (CERT), 145 (CERT), 159 (CERT) 360 (DEC), 361 (DEC), 362 (WUC), 363 (DEC), 367 (WUC) 368 (WUC), 369 (WUC), 372 (DEC)
MINING: DISTRICT: Sunnyside NAME: Sunnyside PERIOD OF USE: 01/01 TO 12/31 ORES: coal Acre Feet Contributed by this Right for this Use: Unevaluated
SUPPLEMENTAL GROUP NO.: 613985. Water Rights Appurtenant to the following use(s): 91-28(CERT), 84(CERT), 114(WUC), 118(CERT), 125(WUC) 141(CERT), 143(CERT), 145(CERT), 146(WUC), 148(CERT) 149(CERT), 150(CERT), 158(CERT), 159(CERT), 178(CERT) 183(CERT), 360(DEC), 361(DEC), 362(WUC), 363(DEC) 367(WUC), 368(WUC), 369(WUC), 372(DEC)
MINING: DISTRICT: Columbia NAME: Horse Canyon PERIOD OF USE: 01/01 TO 12/31 ORES: Coal PERIOD OF USE: 01/01 TO 12/31 Acre Feet Contributed by this Right for this Use: Unevaluated
adding it to this Mining entry. The Mining was to employ and/or service the 800 persons, and INDUSTRIAL: In conjunction with the coal mining occurring at Many Coans.
Acre Feet Contributed by this Right for this Use: Unevaluated SUPPLEMENTAL GROUP NO.: 614007. Water Rights Appurtenant to the following use(s): 91-28(CERT), 84(CERT), 114(WUC), 118(CERT), 125(WUC) 141(CERT), 166(WUC), 158(CERT), 360(DEC), 361(DEC) 362(WUC), 363(DEC), 367(WUC), 368(WUC), 369(WUC) 372(DEC)
IRRIGATION: Sole Supply: UNEVALUATED acres Group Total: 11.28 Div Limit: 45.12 acft. PERIOD OF USE: 04/01 TO 10/15 ###PLACE OF USE: *NORTH WEST OUADTED*
###PLACE OF USE: *NORTH WEST QUARTER*SOUTH EAST QUARTER*SOUTH EAST QUARTER*SOUTH EAST QUARTERSOUTH EAST QUARTERSOUTH EAST QUARTERSOUTH EAST QUARTERSOUTH EAST QUARTERSOUTH EAST QUARTER
GROUP SUPPLEMENTAL GROUP NO.: 614158. Water Rights Appurtenant to the following use(s): 1-28 (CERT), 84 (CERT), 114 (WUC), 118 (CERT), 125 (WUC) 141 (CERT), 143 (CERT), 144 (CERT), 145 (CERT), 146 (WUC) 158 (CERT), 178 (CERT), 239 (APP), 360 (DEC), 361 (DEC) 362 (WUC), 363 (DEC), 367 (WUC), 368 (WUC), 369 (WUC) 372 (DEC)
MUNICIPAL: Sunnyside Acre Feet Contributed by this Right for this Use: Unevaluated PERIOD OF USE: 01/01 TO 12/31
This Right (91-141) has an evaluated sole-supply total for irrigation of 0.0000 acres. This Right (91-141) is a member of 14 cumplemental and the supplemental across the sup
and the supplemental water right groups with irrigated acreage totaling 1361.3300 acres.
Storage from 06/15 to 12/15, inclusive, in Grassy Trail Reservoir with a maximum capacity of 916.000 acre-feet, located in:





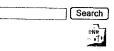
CHANGES: a2598 Certificate 5614 (Issued:)	to the accuracy of this data.) RUN DATE: 01/26/2011 RT. NO.: 5614
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	*******************
NAME: East Carbon City ADDR: P.O. Box 70 East Carbon UT 84520 INTEREST: 100% REMARKS:	
~~~~~~/ ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	*************
LAND OWNED BY APPLICANT? FILED: 12/18/1943 PRIORITY: 12/18/1943 PUB BEGAN: ProtestEnd: PROTESTED: [No	PUB ENDED: NEWSPAPER: SE ACTION: [Approved] ActionDate:12/20/1944 PROOF DUE: CERT/WUC: 03/25/1971 LAP, ETC: LAPS LETTER: TYPE: { }
LOCATION OF WATER RIGHT*** (Points of Diversion: Click on Location	
FLOW: 50.0 acre-feet SOURCE: Grassy COUNTY: Carbon COMMON DESCRIPTION:	
POINT OF DIVERSION SURFACE: (1) S 2824 ft W 1166 ft from NE cor, Sec 12, T 145, R 13E, SLBM Diverting Works:	Source:
Stream Alt Required?: No	
POINTS OF REDIVERSION: (1) S 1163 ft W 645 ft from NE cor, Sec 18, T 145, R 14E, SLBM Diverting Works: (2) N 1521 ft W 1983 ft from SE cor, Sec 29, T 145, R 14E, SLBM	Source:
Diverting Works: (3) S 1013 ft E 125 ft from W4 cor, Sec 01, T 15S, R 13E, SLBM Diverting Works:	Source:
(4) N 91 ft E 2391 ft from W4 cor, Sec 06, T 155, R 14E, SLBM Diverting Works:	Source:
	, horse, etc.) ******* EDU Equivalent Domestic Unit or 1 Family
SUPPLEMENTAL GROUP NO.: 613979. Water Rights Appurtenant to the P1-28 (CERT), 84 (CERT), 114 (WUC), 118 (CERT), 125 (WUC), 40 (CERT), 141 (CERT), 143 (CERT), 145 (CERT), 444 (CERT), 148 (CERT), 158 (CERT), 159 (CERT), 178 (CERT), 360 (DEC), 161 (DEC), 362 (WUC), 363 (DEC), 367 (WUC), 368 (WUC), 372 (DEC)	
Gloup rotal: 149.	.02 Div Limit: 582.56 acft. PERIOD OF USE: 04/01 TO 10/31
###PLACE OF USE:	NORTH EAST QUARTERSOUTH WEST QUARTERSOUTH EAST
Sec 01 T 15S R 13E SLBM * * * * * * * * * * * * * * * * * * *	





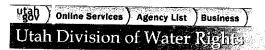
	************	*******	******	**********	******	******	*******	*****
ME: Sunnyside Cogen DDR: Attn: Plant Man P.O. Box 159 Sunnyside UT 84 ITEREST: 100%	eration Associates ager 539 REMARKS	(Public Water Supplie	r)					
TES, ETC.******	************	*******	*********	******	******		*********	
ND OWNED BY APPLICAL LED: 12/18/1943 otestEnd: TENSION: SH LETTR: BOOK: [91-5] PPE DOCUMENT 5 PPE of Right: Applica	NT? PRIORITY: 12/18/1 PROTESTED: [No ELEC/PROOF:[RENOVATE: MAP: [58c	COUNTY TAX ID#: 943 PUB BEGAN:] HEARNG HLD:] ELEC/PROOF: RECON REQ:] PUB DATE:	PUB ENDED: ISE ACTION: CERT/WUC: TYPE: {	[NEWSI [Approved] Actio 03/26/1971 LAP,]	PAPER: onDate:02/14 ETC:	/1945 PRO	OF DUE: S LETTER:	*
		======================================	Proposed Deter	mination s	tatus: Cert	ificate		
		ersion: Click on Loca						
	COMMON DESCRIPTION:		ssy Trail Cree	k				
Diverting Works: S 1163 ft W 644 f Diverting Works: N 1521 ft W 1983 f Diverting Works: S 1013 ft E 125 f Diverting Works: N 1604 ft E 1245 f Diverting Works: N 750 ft W 1345 f Diverting Works: S 566 ft E 4323 f Diverting Works: S 1149 ft E 1320 f Diverting Works: N 1504 ft E 2390 f Diverting Works: N 21 ft E 2390 f Diverting Works:	t from N4 cor, Sec t from NE cor, Sec t from SE cor, Sec t from W4 cor, Sec t from SE cor, Sec t from SE cor, Sec t from NW cor, Sec t from NW cor, Sec t from NW cor, Sec t from NW cor, Sec	07, T 14S, R 14E, SLE 18, T 14S, R 14E, SLE 29, T 14S, R 14E, SLE 01, T 15S, R 13E, SLE 02, T 15S, R 13E, SLE 03, T 15S, R 13E, SLE 09, T 15S, R 13E, SLE 09, T 15S, R 13E, SLE 06, T 15S, R 14E, SLE	M Some Some Some Some Some Some Some Some	ource: ource: ource: ource: ource: ource: ource: ource: ource:				
		Tent Bivestock Unit (cow, norse, etc	.) ******* EDU -	- Equivalen	t Domesti	c Unit or 1 Fa	==== mily
PLEMENTAL GROUP NO.: 28 (CERT), 84 (CERT), 11 (CERT), 143 (CERT), 144 (CERT), 178 (CERT), 366 (PEC), 367 (WUC), 368 (PEC)	613977. Water F 14 (WUC), 118 (CERT), 1 6 (CERT), 146 (WUC), 15 0 (DEC), 361 (DEC), 362	Rights Appurtenant to 25 (WUC) (WUC) (WUC)	the following t	se(s):				55-
RRIGATION: Sole Supr	olv: UNEVALUATED =c	res Group Total						
##PLACE OF USE:	*NORTH WE	res Group Total:	MODELL BASE		· · · · · · · · · · · ·	<i></i>	· • • • • • • • • • • • • • • • • • • •	
c 17 T 15S R 14E SLB	* NW NE	SW SE * NW	NE SI	JARTER*	SOUTH WE	ST QUARTE	*	SOUTH EAS
c 18 T 15S R 14E SLB	<u>M</u> *	·	_ii_	**	5.2100	1 3.82001	0.8000*	
PLEMENTAL GROUP NO.: 28 (CERT), 84 (CERT), 11 (CERT), 141 (CERT), 142 (WUC), 158 (CERT), 159 (DEC), 362 (WUC), 363 (D	4(WUC), 118(CERT), 12 (CERT), 143(CERT), 14 (CERT), 178(CERT), 360	(DEC)	the following u	se(s):	******		·	GROUI
RRIGATION: Sole Supp.	lv: UNEVALUATED acr	res Group Total: 1		**!!				
#PLACE OF USE:			49.02	v Limit: 582.56 a	cft. PER	IOD OF US	E: 04/01 TO 10	/31
	* NW NE	T QUARTER* SW SE * NW	NE SW	I DE ^ NW	I NE (SW I	SE * NW 5.9300*20.8800	I NE I

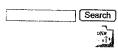




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(WARNING: Water Rights makes NO claims as to the accuracy of this data.) RUN DATE: 01/26/2011
                     APPLICATION/CLAIM NO.: A15620a
                                                 CERT. NO.: 7959
 CHANGES: a3048 Certificate 7959 (Issued: )
 NAME: East Carbon City (Public Water Supplier)
 ADDR: 200 East Park Place
      East Carbon UT 84520
 INTEREST: 50%
                 REMARKS:
 NAME: Sunnyside City (Public Water Supplier)
 ADDR: P.O. Box 69
     Sunnyside UT 84539
 INTEREST: 50%
                REMARKS:
 LAND OWNED BY APPLICANT?
                                  COUNTY TAX ID#:
        12/18/1943|PRIORITY: 12/18/1943|PUB BEGAN:
PROTESTED: [No ] | HEARNG HLD
                                                   PUB ENDED:
 ProtestEnd:
                                                  |SE ACTION: [Approved] | ActionDate: 09/02/1948 | PROOF DUE:
                                1 | HEARNG HLD:
 EXTENSION:
                 |ELEC/PROOF: (
                                 ] | ELEC/PROOF:
                                                   ICERT/WUC: 10/28/1970 | LAP, ETC:
 RUSH LETTR:
                                  RECON REQ:
                 | RENOVATE :
 PD BOOK: [91-5 ] | MAP: [58c
*TYPE -- DOCUMENT -- STATUS----
                                                  TYPE: [
                     [58c
                                 ] | PUB DATE:
 Type of Right: Application to Appropriate
                                   Source of Info: Proposed Determination
                                                                       Status: Certificate
FLOW: 33.33 acre-feet
                                       SOURCE: Grassy Trail Creek
COUNTY: Carbon
                COMMON DESCRIPTION:
POINTS OF DIVERSION -- SURFACE:
(1) S 2824 ft W 1166 ft from NE cor, Sec 12, T 14S, R 13E, SLBM
     Diverting Works:
                                                          Source:
(2) S 1163 ft W 645 ft from NE cor, Sec 18, T 14S, R 14E, SLBM
     Diverting Works:
                                                          Source:
Stream Alt Required?: No
USES OF WATER RIGHT******* ELU -- Equivalent Livestock Unit (cow, horse, etc.) ******* EDU -- Equivalent Domestic Unit or 1 Family
SUPPLEMENTAL GROUP NO.: \underline{614158}. Water Rights Appurtenant to the following use(s):
91-28 (CERT), 84 (CERT), 114 (WUC), 118 (CERT), 125 (WUC)
141(CERT), 143(CERT), 144(CERT), 145(CERT), 146(WUC)
158(CERT), 178(CERT), 239(APP), 360(DEC), 361(DEC)
362 (WUC), 363 (DEC), 367 (WUC), 368 (WUC), 369 (WUC)
372 (DEC)
                ......
 MUNICIPAL: Sunnyside
                                                                              PERIOD OF USE: 01/01 TO 12/31
            Acre Feet Contributed by this Right for this Use: Unevaluated
Storage from 01/01 to 12/31, inclusive, in Grassy Trail Reservoir with a maximum capacity of 916.000 acre-feet, located in:
                 89 NORTH-WEST
                                     NORTH-EAST4
                                                   SOUTH-WEST
                                                                 SOUTH-EAST
  Area Inundated:
                       NW NE SW SE
                                     NW NE SW SE
                                                   NW NE SW SE
                                                                 NW NE SW SE
Sec 07 T 14S R 14E SLBM
                      * X: X: X: X*
                                      : : : *
                                                  * X: X: : *
Small Dam Required?: No
Point of diversion as given: S 2823' & W 3055' from N 1/4 corner, Section 7,
T14S, R14E, SLBM.
```

Utah Division of Water Rights | 1594 West North Temple Suite 220, P.O. Box 148300, Salt Lake City, Utah 84114-6300 | 801-538-7240 Natural Resources | Contact | Disclaimer | Privacy Policy | Accessibility Policy | Emergency Evacuation Plan





Select Related Information	1	
(WARNING: Water Pichts Takes		

'HANGES: a2595 Com	APPLICATION/CLA	kes NO claims as	to the accu	racy or mirs			
	rtificate 5684 (Issu	ed:)					
WNERSHIP**********	*****	*******	******	*******	*******	*******	*****

DDR: Attn: Plant Mana	ration Associates (1 ger	Public Water Supplier)					
P.O. Box 159	-						
Sunnyside UT 845 TEREST: 100% R	EMARKS:						

ND OWNED BY APPLICAN		COUNTY TAX ID#:				************************	*****
LED: 12/18/1943	PRIORITY: 12/18/194	13 PUB BEGAN:	PUB ENDED:	NEWSPAPE	R:		
	PROTESTED: [No ELEC/PROOF: [] HEARNG HLD: ELEC/PROOF:	SE ACTION: [Ap	pproved] ActionDa 26/1971 LAP, ETC	te:01/02/1945	FIPROOF DUE:	
SH LETTR 13		RECON REQ:	TYPE: [26/1971 LAP, ETC]	:	LAPS LETTER:	
	MAP: [58c] [PUB DATE:					
WITTON OF MHIEK KICH!	T*** (POINTS of Diver	ssion: Click on Location					
W: 16.67 acre-feet		SOURCE: Grass					
	OMMON DESCRIPTION:						
INTS OF DIVERSION S 2824 ft W 1166 ft	SURFACE: t from N4 cor, Sec 0	7, T 14S, R 14E, SLBM					
Diverting Works:			Sourc	e:			
Diverting works:		8, T 14S, R 14E, SLBM	Sourc				
N 1521 ft W 1983 ft Diverting Works:	from SE cor, Sec 2	9, T 14S, R 14E, SLBM	30010	e:			
S10137 ft E 125 ft	from W4 cor, Sec 0	1, T 15S, R 13E, SLBM	Sourc	9:			
Diverting works:			Source	e;			
Diverting works:		2, T 15S, R 13E, SLBM	Source				
N 750 ft W 1345 ft Diverting Works:	from SE cor, Sec 0	3, T 15S, R 13E, SLBM	30010	s.			
S 566 ft E 4323 ft	from NW cor, Sec 0	9, T 15S, R 13E, SLBM	Source	2:			
Diverting Works:		9, T 15S, R 13E, SLBM	Source	: :			
Diverting Works:			Source	. .			
N 91 ft E 2390 ft Diverting Works:	from W4 cor, Sec 0	6, T 15S, R 14E, SLBM					
			Source	:			
eam Alt Required?: N		, 					
		ent Livestock Unit (cow					
DIEMENTAL COCHE	613977. Water Riv	white Appurtament to the	e following use (462-40-4-4		
PERMINIAL GROUP NO.:	4 (WUC).118 (CERT).129	(WIIC)	3				
28 (CERT), 84 (CERT), 11		MC)					
28 (CERT), 84 (CERT), 114 (CERT), 143 (CERT), 145 (CERT), 178 (CERT), 360	(DEC), 361 (DEC), 362 (W						
28 (CERT), 84 (CERT), 11 (CERT), 143 (CERT), 145 (CERT), 178 (CERT), 360	(DEC), 361 (DEC), 362 (W	<u>n</u>					
28 (CERT), 84 (CERT), 11- (CERT), 143 (CERT), 145 (CERT), 178 (CERT), 360 (DEC), 367 (WUC), 368 (WI	(DEC), 361 (DEC), 362 (W UC), 369 (WUC), 372 (DEC	<u> </u>					
ZB(CERT), 84 (CERT), 11- (CERT), 143 (CERT), 145 (CERT), 178 (CERT), 360 (DEC), 367 (WUC), 368 (WI	(DEC), 361 (DEC), 362 (WUC), 369 (WUC), 372 (DEC	C) Ses Group Total: 15.	5.5 Ditt 1.	imit. 62 52 20ft	DEDICOR	OB HOS 04/04	 0/31
ZERICERT), 84 (CERT), 11- (CERT), 143 (CERT), 145 (CERT), 178 (CERT), 360 (DEC), 367 (WUC), 368 (WI	(DEC), 361 (DEC), 362 (M UC), 369 (WUC), 372 (DEC 1y: UNEVALUATED acre	C) ss Group Total: 15.	DIA F	imit: 62.52 acft	- PERIOD	OF USE: 04/01 TO 1	
##PLACE OF USE:	(DEC), 361 (DEC), 362 (M UC), 369 (WUC), 372 (DEC 1y: UNEVALUATED acre *NORTH WEST * NW NE	Group Total: 15.	NORTH EAST QUART	imit: 62.52 acft ER*	PERIOD OUTH WEST QU NE SW	OF USE: 04/01 TO 1	-SOUTH
28 (CERT), 84 (CERT), 11- (CERT), 143 (CERT), 145 (CERT), 178 (CERT), 360 (DEC), 367 (WUC), 368 (WI RRIGATION: Sole Suppl	(DEC), 361 (DEC), 362 (MUC), 369 (MUC), 372 (DEC 1y: UNEVALUATED acre *NORTH WEST *NW NE M *	Group Total: 15.	NORTH EAST QUART	imit: 62.52 acft ER* SE * NW * 3.8000	PERIOD SOUTH WEST QU NE SW 5.8	OF USE: 04/01 TO 1 ARTER* SE * NW 200 *	-SOUTH
28 (CERT), 84 (CERT), 11: (CERT), 143 (CERT), 145 (CERT), 178 (CERT), 360 (DEC), 367 (WUC), 368 (WI RRIGATION: Sole Supp) ##PLACE OF USE: c 17 T 155 R 14E SLENCE 18 T 155 R 14E SLENCE	(DEC), 361 (DEC), 362 (MUC), 369 (MUC), 372 (DEC 1y: UNEVALUATED acre *NORTH WEST * NW NE M * M *	COUARTER	NORTH EAST QUART	imit: 62.52 acft ER	FERIOD SOUTH WEST QU NE SW 5.2100	OF USE: 04/01 TO 1:	SOUTH NE
28 (CERT), 84 (CERT), 11- (CERT), 143 (CERT), 145 (CERT), 178 (CERT), 360 (DEC), 367 (WUC), 368 (WI RRIGATION: Sole Suppl ##PLACE OF USE: C 17 T 15S R 14E SLBM C 18 T 15S R 14E SLBM PLEMENTAL GROUP NO.:	(DEC), 361 (DEC), 362 (MUC), 369 (MUC), 372 (DEC) 1y: UNEVALUATED acre *NORTH WEST * NW NE M * M * 613979. Water Right	CUARTER	NORTH EAST QUART	imit: 62.52 acft ER SE * NW * 3.8000	FERIOD SOUTH WEST QU NE SW 5.2100	OF USE: 04/01 TO 1:	SOUTH NE
28 (CERT), 84 (CERT), 11: (CERT), 143 (CERT), 145 (CERT), 178 (CERT), 360 (DEC), 367 (WUC), 368 (WI ***RRIGATION: Sole Suppl ***#PLACE OF USE: C 17 T 15S R 14E SLEN C 18 T 15S R 14E SLEN 28 (CERT), 84 (CERT), 114 **********************************	(DEC), 361 (DEC), 362 (MUC), 369 (MUC), 372 (DEC 1y: UNEVALUATED acre *NORTH WEST * NW NE M * M * 613979. Water Rig	SW SE * NW *	NORTH EAST QUART	imit: 62.52 acft ER SE * NW * 3.8000	FERIOD SOUTH WEST QU NE SW 5.2100	OF USE: 04/01 TO 1:	SOUTH NE
28 (CERT), 84 (CERT), 11- (CERT), 143 (CERT), 145 (CERT), 143 (CERT), 145 (CERT), 178 (CERT), 366 (WI (DEC), 367 (WUC), 368 (WI RRIGATION: Sole Suppl ##PLACE OF USE: 17 T 15S R 14E SLBM 18 T 15S R 14E SLBM PLEMENTAL GROUP NO.: 28 (CERT), 84 (CERT), 114 (CERT), 141 (CERT), 142 (WUC), 158 (CERT), 159 (C	(DEC), 361 (DEC), 362 (MUC), 369 (MUC), 372 (DEC 1y: UNEVALUATED acre *NORTH WEST * NW NE M * 613979. Water Rig 4 (MUC), 118 (CERT), 125 (CERT), 143 (CERT), 360 (CERT),	COUARTER	NORTH EAST QUART	imit: 62.52 acft ER SE * NW * 3.8000	FERIOD SOUTH WEST QU NE SW 5.2100	OF USE: 04/01 TO 1:	SOUTH NE
28 (CERT), 84 (CERT), 11: (CERT), 143 (CERT), 145 (CERT), 143 (CERT), 145 (CERT), 178 (CERT), 366 (WI RRIGATION: Sole Supp) ##PLACE OF USE: c 17 T 15S R 14E SLEM c 18 T 15S R 14E SLEM PLEMENTAL GROUP NO: 28 (CERT), 84 (CERT), 114 (CERT), 141 (CERT), 159 (C (DEC), 362 (WUC), 363 (DE	(DEC), 361 (DEC), 362 (MUC), 369 (MUC), 372 (DEC 1y: UNEVALUATED acre *NORTH WEST * NW NE M * 613979. Water Rig 4 (MUC), 118 (CERT), 125 (CERT), 143 (CERT), 360 (CERT),	COUARTER	NORTH EAST QUART	imit: 62.52 acft ER SE * NW * 3.8000	FERIOD SOUTH WEST QU NE SW 5.2100	OF USE: 04/01 TO 1:	SOUTH NE
28 (CERT), 84 (CERT), 11: (CERT), 143 (CERT), 145 (CERT), 143 (CERT), 145 (CERT), 178 (CERT), 366 (WI RRIGATION: Sole Supp) ##PLACE OF USE: c 17 T 15S R 14E SLEM c 18 T 15S R 14E SLEM PLEMENTAL GROUP NO: 28 (CERT), 84 (CERT), 114 (CERT), 141 (CERT), 159 (C (DEC), 362 (WUC), 363 (DE	(DEC), 361 (DEC), 362 (MUC), 369 (MUC), 372 (DEC 1y: UNEVALUATED acre *NORTH WEST * NW NE M * 613979. Water Rig 4 (MUC), 118 (CERT), 125 (CERT), 143 (CERT), 360 (CERT),	COUARTER	NORTH EAST QUART	imit: 62.52 acft ER SE * NW * 3.8000	FERIOD SOUTH WEST QU NE SW 5.2100	OF USE: 04/01 TO 1:	SOUTH NE
28(CERT), 84(CERT), 11- (CERT), 143(CERT), 15- (CERT), 178(CERT), 160 (DEC), 367(WUC), 368(WC) ##PLACE OF USE: 17 T 15S R 14E SLEM 18 T 15S R 14E SLEM PLEMENTAL GROUP NO.: 8 (CERT), 141(CERT), 114 (CERT), 141(CERT), 142(WC), 158(CERT), 159(CERT), 159(CERT) WUC), 158(CERT), 159(CERT), 159(CERT), 159(CERT)	(DEC), 361 (DEC), 362 (MUC), 369 (WUC), 372 (DEC 1y: UNEVALUATED acre *NORTH WEST * NW NE M * 613979. Water Rig 4 (MUC), 118 (CERT), 125 (CERT), 143 (CERT), 360 (ECC), 367 (WUC), 368 (WUC)	SS Group Total: 15. OUARTER	NORTH EAST QUART	imit: 62.52 acft ER	FERIOD SOUTH WEST QU NE SW 5.8	OF USE: 04/01 TO 1	SOUTH NE
28 (CERT), 84 (CERT), 11- (CERT), 178 (CERT), 13- (CERT), 178 (CERT), 360 (DEC), 367 (WUC), 368 (WI ***RRIGATION: Sole Suppl ***PLACE OF USE:	(DEC), 361 (DEC), 362 (MUC), 369 (WUC), 372 (DEC 1y: UNEVALUATED acre *NORTH WEST *NORTH WEST *NORTH WEST *NORTH WEST *NORTH WEST *NORTH WEST *NORTH WEST *NORTH WEST *NORTH WEST *NORTH WEST *NORTH WEST *	COUARTER	NORTH EAST QUART NE SW following use(s	imit: 62.52 acft ER	FERIOD SOUTH WEST QU NE SW 5.2100 PERIOD (OF USE: 04/01 TO 10 ARTER	SOUTH NE
28 (CERT), 84 (CERT), 11: (CERT), 143 (CERT), 145 (CERT), 178 (CERT), 165 (CERT), 178 (CERT), 368 (WI (DEC), 367 (WUC), 368 (WI RRIGATION: Sole Suppl ##PLACE OF USE: c 17 T 15S R 14E SLEN c 18 T 15S R 14E SLEN PLEMENTAL GROUP NO.: 28 (CERT), 84 (CERT), 119 (CERT), 141 (CERT), 142 ((WUC), 158 (CERT), 159 (C (DEC), 362 (WUC), 363 (DE (WUC), 372 (DEC)	(DEC), 361 (DEC), 362 (MUC), 369 (WUC), 372 (DEC 1y: UNEVALUATED acre *NORTH WEST *NORTH WEST M * NE M * M *	CUARTER	NORTH EAST QUART NE SW	imit: 62.52 acft ER*- SE * NW * 3.8000	FERIOD SOUTH WEST QU NE SW 5.8 5.2100 PERIOD (OUTH WEST QU	OF USE: 04/01 TO 10 ARTER	SOUTH INE
28 (CERT), 84 (CERT), 11: (CERT), 143 (CERT), 145 (CERT), 178 (CERT), 360 (DEC), 367 (WUC), 368 (WI RRIGATION: Sole Suppl ##PLACE OF USE: C 17 T 15S R 14E SLEN C 18 T 15S R 14E SLEN	(DEC), 361 (DEC), 362 (MUC), 369 (WUC), 372 (DEC) 1y: UNEVALUATED acre *NORTH WEST *NORTH WEST M * NE M * M	COUARTER	NORTH EAST QUART NE SW	imit: 62.52 acft ER*	PERIOD SOUTH WEST QU NE SW 5.2100 PERIOD (OUTH WEST QU NE SW	OF USE: 04/01 TO 10 ARTER	SOUTH E

91-19 (CERT), 28 (CERT), 84 (CERT), 114 (WUC), 118 (CERT) 120 (CERT), 124 (CERT), 125 (WUC), 141 (CERT), 143 (CERT)

360 (DEC), 361 (DEC), 362 (WUC), 363 (DEC), 367 (WUC) 368 (WUC), 369 (WUC), 372 (DEC)
DOMESTIC: Sole Supply: UNEVALUATED EDUS Group Total: 105.0000 Div Limit: 76.44 acft. PERIOD OF USE: 01/01 TO 12/31
SUPPLEMENTAL GROUP NO.: 613981. Water Rights Appurtenant to the following use(s): 91-28(CERT), 84(CERT), 114(WUC), 118(CERT), 125(WUC). 139(CERT), 140(CERT), 141(CERT), 142(CERT), 143(CERT), 145(CERT), 146(WUC), 158(CERT), 178(CERT), 178(CERT), 260(DEC), 361(DEC), 362(WUC), 363(DEC), 367(WUC) 368(WUC), 372(DEC)
DOMESTIC: Sole Supply: UNEVALUATED EDUS Group Total: 770.0000 Div Limit: 560.56 acft. PERIOD OF USE: 01/01 TO 12/31 Flow for domestic is part of flow for irrigation. Domestic use at unincorporated areas at Sunnyside and East Carbon.
SUPPLEMENTAL GROUP NO.: 613983. Water Rights Appurtenant to the following use(s): 91-19(CERT), 28(CERT), 84(CERT), 99(CERT), 114(WUC) 118(CERT), 125(WUC), 141(CERT), 143(CERT), 145(CERT) 146(WUC), 159(CERT), 159(CERT), 178(CERT), 332(UGWC) 360(DEC), 361(DEC), 362(WUC), 363(DEC), 367(WUC) 368(WUC), 369(WUC), 372(DEC)
MINING: DISTRICT: Columbia NAME: Columbia PERIOD OF USE: 01/01 TO 12/31 ORES: coal PERIOD OF USE: 01/01 TO 12/31 Acre Feet Contributed by this Right for this Use: Unevaluated

MINING: DISTRICT: Sunnyside NAME: Sunnyside PERIOD OF USE: 01/01 TO 12/31 ORES: coal Acre Feet Contributed by this Right for this Use: Unevaluated

MINING: DISTRICT: Columbia NAME: Horse Canyon PERIOD OF USE: 01/01 TO 12/31 ORES: Coal PERIOD OF USE: 01/01 TO 12/31 Acre Feet Contributed by this Right for this Use: Unevaluated Administratively changed on Feb 14, 2007, by deleting the Domestic entry for 800 persons, and adding it to this Mining entry. The Mining was to employ and/or service the 800 persons.
INDUSTRIAL: In conjunction with the coal mining occurring at Horse Canyon. PERIOD OF USE: 01/01 TO 12/31 Acre Feet Contributed by this Right for this Use: Unevaluated
SUPPLEMENTAL GROUP NO.: 614158. Water Rights Appurtenant to the following use(s): 91-28(CSRT),84(CERT),114(WUC),118(CERT),125(WUC) 141(CERT),143(CERT),144(CERT),145(CERT),146(WUC) 158(CERT),178(CERT),239(APP),360(DEC),361(DEC) 362(WUC),363(DEC),367(WUC),368(WUC),369(WUC) 372(DEC)
MUNICIPAL: Sunnyside PERIOD OF USE: 01/01 TO 12/31 Acre Feet Contributed by this Right for this Use: Unevaluated
SUPPLEMENTAL GROUP NO.: 615817. Water Rights Appurtenant to the following use(s): 91-37(CERT), 99(CERT), 118(CERT), 139(CERT), 143(CERT) 145(CERT), 158(CERT), 159(CERT), 361(DEC), 364(DEC) 372(DEC), 3522(DIL), 3524(DIL), 3761(DIL), 4941(UNAP) 1942(WD)
POWER: SCA Steam Generation Power Plant, rated at 58 MW. PERIOD OF USE: 01/01 To 12/31 CFS Contributed by this Right for this Use: Unevaluated
###PLACE OF USE: *NORTH WEST QUARTER*NORTH EAST QUARTER*SOUTH WEST QUARTER*SOUTH EAST * NW NE SW SE * NW NE SW SE * NW NE Sec 06 T 15S R 14E SLBM *
his Right (91-145) has an evaluated sole-supply total for irrigation of 0.0000 acres.
his Right (91-145) is a member of 9 supplemental water right groups with invitated
torage from 01/01 to 12/31, inclusive, in Grassy Trail with a maximum capacity of 916.000 acre-feet, located in: Height of Dam: 89 NORTH-WEST4 NORTH-EAST4 SOUTH-WEST4 SOUTH-EAST4 Area Inundated: NW NE SW SE NW NE SW SE NW NE SW SE ec 07 T 14S R 14E SLBM * X: X: X: X: * * : : * * X: X: : * * : : *
mall Dam Required?: No
THER COMMENTS************************************

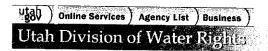
WUCs 91-143,145,159 are limited to the irrigation requirements of 123.4 acres.





Select Related Information		

(WARNING: Water Rights makes NO claims as to the water Right: 91-146 APPLICATION/CLAIM NO.: A15621a CERT. NO CHANGES: a3049 Certificate 7958 (Issued:)	.: 7958
OWNERSHIP************************************	
NAME: East Carbon City (Public Water Supplier) ADDR: 200 East Park Place East Carbon UT 84520 INTEREST: 50% REMARKS:	
NAME: Sunnyside City (Public Water Supplier) ADDR: P.O. Box 69 Sunnyside UT 84539 INTEREST: 50% REMARKS:	
DATES, ETC.************************************	
RUSH LETTR: RENOVATE: RECON REQ: TYPE: PD BOOK: [91-5] MAP: [58c] PUB DATE: **TYPE DOCUMENT STATUS	NDED: INEWSPAPER: FION: [Approved] ActionDate:09/02/1948 PROOF DUE: NUC: 10/28/1970 LAP, ETC: LAPS LETTER: []
Type of Right: Application to Appropriate Source of Info: Proposed	Determination Status: Water User's Claim
Propher 20 20	ess PLAT Program.)************************************
FLOW: 33.33 acre-feet SOURCE: Grassy Trail COUNTY: Carbon COMMON DESCRIPTION:	Creek
POINTS OF DIVERSION SURFACE: (1) S 2824 ft W 1166 ft from N4 cor, Sec 07, T 14S, R 14E, SLBM Diverting Works: (2) S 1163 ft W 644 ft from NE cor, Sec 18, T 14S, R 14E, SLBM	Source:
Diverting Works: (3) N 1521 ft W 1983 ft from SE cor, Sec 29, T 14S, R 14E, SLBM	Source:
(4) S 1013 ft E 125 ft from W4 cor, Sec 01, T 155, R 13E, SLBM	Source:
Diverting Works: (5) N 750 ft W 1345 ft from SE cor, Sec 02, T 155, R 13E, SLBM Diverting Works:	Source:
(6) N 1604 ft E 1245 ft from SW cor, Sec 02, T 15S, R 13E, SLBM Diverting Works:	Source: Source:
(7) S 566 ft E 4323 ft from NW cor, Sec 09, T 15S, R 13E, SLBM Diverting Works:	Source:
(8) S 1149 ft E 1320 ft from NW cor, Sec 09, T 15S, R 13E, SLBM Diverting Works: (9) N 91 ft E 2390 ft from W4 cor, Sec 06, T 15S, R 14E, SLBM Diverting Works:	Source:
stream Alt Required?: No	Source:
	etc.) ****** EDU Equivalent Domestic Unit or 1 Family





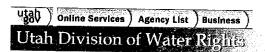
Select Related Information (WARNING: Water Rights makes NO claims as to the accuracy of this data.) RUN DATE: 01/26/2011 APPLICATION/CLAIM NO.: A19041 CERT. NO.: 7792 __Certificate 7792 (Issued: __Certificate 7792 (Issued: __Certificate 7792 (Issued: CHANGES: a2942 a3441 a4246 NAME: Sunnyside Cogeneration Associates (Public Water Supplier) ADDR: Attn: Plant Manager P.O. Box 159 Sunnyside UT 84539 INTEREST: 100% REMARKS: LAND OWNED BY APPLICANT? COUNTY TAX ID#: 08/19/1947 PRIORITY: 08/19/1947 PUB BEGAN: | PUB ENDED: INEWSPAPER: ProtestEnd: PROTESTED: [No] | HEARNG HLD: | ISE ACTION: [Approved] | ActionDate:03/30/1949|PROOF DUE: | CERT/WUC: 03/26/1971|LAP, ETC: | LAPS LETTE [ELEC/PROOF: [] | ELEC/PROOF: 03/26/1971|LAP, ETC: RENOVATE: RUSH LETTR: RECON REQ: TYPE: [PD BOOK: [91-5] MAP: [58c *TYPE -- DOCUMENT -- STATUS----] | PUB DATE: Type of Right: Application to Appropriate Source of Info: Proposed Determination Status: Certificate FLOW: 65.0 acre-feet SOURCE: Grassy Trail Creek COUNTY: Carbon COMMON DESCRIPTION: POINTS OF DIVERSION -- SURFACE: (1) S 2824 ft W 1166 ft from N4 cor, Sec 07, T 14S, R 14E, SLBM Diverting Works: Source: S 1163 ft W 644 ft from NE cor, Sec 18, T 14S, R 14E, SLBM Diverting Works: Source: (3) N 1521 ft W 1983 ft from SE cor, Sec 29, T 14S, R 14E, SLBM Diverting Works: S10137 ft E 125 ft from W4 cor, Sec 01, T 15S, R 13E, SLBM Source: Diverting Works: Source: N 1604 ft E 1245 ft from SW cor, Sec 02, T 155, R 13E, SLBM Diverting Works: Source: (6) N 750 ft W 1345 ft from SE cor, Sec 03, T 15S, R 13E, SLBM Diverting Works: Source: 566 ft E 4323 ft from NW cor, Sec 09, T 15S, R 13E, SLBM Diverting Works: S 1149 ft E 1320 ft from NW cor, Sec 09, T 15S, R 13E, SLBM Source: Diverting Works: 91 ft E 2390 ft from W4 cor, Sec 06, T 155, R 14E, SLBM Source: Diverting Works: Source: Stream Alt Required?: No USES OF WATER RIGHT******* ELU -- Equivalent Livestock Unit (cow, horse, etc.) ******* EDU -- Equivalent Domestic Unit or 1 Family SUPPLEMENTAL GROUP NO.: $\underline{613926}$. Water Rights Appurtenant to the following use(s): 91-28 (CERT), 84 (CERT), 100 (WUC), 114 (WUC), 118 (CERT) 125 (WUC), 141 (CERT), 158 (CERT), 360 (DEC), 361 (DEC) 362 (WUC), 363 (DEC), 367 (WUC), 368 (WUC), 369 (WUC) IRRIGATION: Sole Supply: UNEVALUATED acres Group Total: 66.5 Div Lim: Water User's Claim No. 100 is limited to the irrigation requirements of 6.54 acres. Div Limit: 266.0 acft. PERIOD OF USE: 06/15 TO 09/15 SE: *----NORTH WEST QUARTER-----*------NORTH EAST OUARTER---###PLACE OF USE: -SOUTH WEST QUARTER----*--SOUTH EAST * NW | NE | SW | SE * NW | NE * NW I SW | SE | NE SW SE * NW <u>Sec 03 T 15S R 13E SLBM</u> * <u>Sec 10 T 15S R 13E SLBM</u> * NE [30.0000] *36.5000 GROUP

IRRIGATION: Sole Supply: UNEVALUATED acres Group Total: 932.4 Div Limit: 3729.6 acft.

SUPPLEMENTAL GROUP NO.: 613974. Water Rights Appurtenant to the following use(s):

91-28 (CERT), 84 (CERT), 114 (NUC), 118 (CERT), 125 (NUC)
141 (CERT), 158 (CERT), 360 (DEC), 361 (DEC), 362 (NUC)
363 (DEC), 367 (NUC), 368 (NUC), 369 (NUC), 372 (DEC)

PERIOD OF USE: 04/01 TO 10/31





Select Related Information (WARNING: Water Rights makes NO claims as to the accuracy of this data.) RUN DATE: 01/26/2011 WATER RIGHT: 91-159 APPLICATION/CLAIM NO.: A19136 CERT. NO.: 5670 CHANGES: a2683 Certificate 5670 (Issued:) NAME: Sunnyside Cogeneration Associates ADDR: Attn: Plant Manager P.O. Box 159 Sunnyside UT 84539 INTEREST: 100% LAND OWNED BY APPLICANT? COUNTY TAX ID#: 09/24/1947 [PRIORITY: 09/24/1947 | PUB BEGAN: : | PROTESTED: [No] | HEARING HLD FILED: (PUB ENDED: ProtestEnd: | ISE ACTION: [Approved] | ActionDate: 05/24/1950 | PROOF DUE:] | HEARNG HLD: EXTENSION: ELEC/PROOF: (| | ELEC/PROOF: |CERT/WUC: 03/26/1971|LAP, ETC: RUSH LETTR: | RENOVATE: RECON REQ: PD BOOK: [91-5] | MAP: [58c | TYPE -- DOCUMENT -- STATUS-----TYPE: [| PUB DATE: Type of Right: Application to Appropriate Source of Info: Proposed Determination Status: Certificate SOURCE: Grassy Trail Creek COUNTY: Carbon COMMON DESCRIPTION: POINTS OF DIVERSION -- SURFACE: (1) S 2824 ft W 1166 ft from N4 cor, Sec 07, T 14S, R 14E, SLBM Diverting Works:
(2) S 1163 ft W 644 ft from NE cor, Sec 18, T 14S, R 14E, SLBM Diverting Works: Source: Source: N 1521 ft W 1983 ft from SE cor, Sec 29, T 14S, R 14E, SLBM Diverting Works: Source: S 1013 ft E 125 ft from W4 cor, Sec 01, T 15S, R 13E, SLBM Diverting Works: Source: N 1604 ft E 1245 ft from SW cor, Sec 02, T 15S, R 13E, SLBM Diverting Works: 750 ft w 1345 ft from SE cor, Sec 03, T 15S, R 13E, SLBM Diverting Works: Source: (7) S 566 ft £ 4323 ft from NW cor, Sec 09, T 15S, R 13E, SLBM Source: (8) S 1149 ft E 1320 ft from NW cor, Sec 09, T 15S, R 13E, SLBM Diverting Works: Source: (9) N 91 ft E 2390 ft from W4 cor, Sec 06, T 15S, R 14E, SLBM Diverting Works: Source: Stream Alt Required?: No USES OF WATER RIGHT******* ELU -- Equivalent Livestock Unit (cow, horse, etc.) ******* EDU -- Equivalent Domestic Unit or 1 Family SUPPLEMENTAL GROUP NO.: 613977. Water Rights Appurtenant to the following use(s): 91-28 (CERT), 84 (CERT), 114 (WUC), 118 (CERT), 125 (WUC)
141 (CERT), 143 (CERT), 145 (CERT), 146 (WUC), 158 (CERT)
159 (CERT), 178 (CERT), 360 (DEC), 361 (DEC), 362 (WUC) 363 (DEC), 367 (WUC), 368 (WUC), 369 (WUC), 372 (DEC) IRRIGATION: Sole Supply: UNEVALUATED acres Group Total: 15.63 Div Limit: 62.52 acft. PERIOD OF USE: 04/01 TO 10/31 : *----NORTH WEST QUARTER-----* --NORTH EAST QUARTER-----*---SOUTH WEST QUARTER-----*---SOUTH EAST ###PLACE OF USE: * NW | NE SW | SE * NW SE * NW | NE l SW NE | SW SE * NW Sec 17 T 15S R 14E SLBM * | NE * 3.80001 5.82001 Sec 18 T 155 R 14E SLBM GROUP SUPPLEMENTAL GROUP NO.: 613979. Water Rights Appurtenant to the following use(s): 91-28 (CERT), 84 (CERT), 114 (WUC), 118 (CERT), 125 (WUC) 140 (CERT), 141 (CERT), 142 (CERT), 143 (CERT), 145 (CERT) 146 (WUC), 158 (CERT), 159 (CERT), 178 (CERT), 360 (DEC) 361 (DEC), 362 (WUC), 363 (DEC), 367 (WUC), 368 (WUC) 369 (WUC), 372 (DEC) Div Limit: 582.56 acft. PERIOD OF USE: 04/01 TO 10/31 IRRIGATION: Sole Supply: UNEVALUATED acres Group Total: 149.02 E: *----*--NORTH EAST QUARTER-----*---SOUTH WEST QUARTER-----*--SOUTH EAST TFD______ * NW | NE | SW SE * NW Sec 01 T 15S R 13E SLBM *19.4100[26.3100] 6.5600[15.9300*20.8800] 8.6200[8 Sec 02 T 15S R 13E SLBM * GROUP

SUPPLEMENTAL GROUP NO.: 613980. Water Rights Appurtenant to the following use(s):

91-19 (CERT), 28 (CERT), 84 (CERT), 114 (WUC), 118 (CERT) 120 (CERT), 124 (CERT), 125 (WUC), 141 (CERT), 143 (CERT)

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145 (CERT), 146 (WUC), 158 (CERT), 159 (CERT), 178 (CERT)
360 (DEC), 361 (DEC), 362 (WUC), 363 (DEC), 367 (WUC)
  368 (WUC), 369 (WUC), 372 (DEC)
  DOMESTIC: Sole Supply: UNEVALUATED EDUS
Domestic uses in Columbia, Utah.
                                                                        Group Total: 105.0000
                                                                                                              Div Limit: 76.44 acft. PERIOD OF USE: 01/01 TO 12/31
  SUPPLEMENTAL GROUP NO.: 613981. Water Rights Appurtenant to the following use(s):
  91-28 (CERT), 84 (CERT), 114 (WUC), 118 (CERT), 125 (WUC)
139 (CERT), 140 (CERT), 141 (CERT), 142 (CERT), 143 (CERT)
145 (CERT), 146 (WUC), 158 (CERT), 159 (CERT), 178 (CERT)
360 (DEC), 361 (DEC), 362 (WUC), 363 (DEC), 367 (WUC)
  368 (WUC) , 369 (WUC) , 372 (DEC)
                                                              Js Group Total: 770.0000 Div Limit: 560.56 acft. PERIOD OF USE: 01/01 TO 12/31
  DOMESTIC: Sole Supply: UNEVALUATED EDUS Group Total: 770.0000 Div Limit: 560.5 Flow for domestic is part of flow for irrigation. Domestic use at unincorporated areas at
  Sunnyside and East Carbon.
  SUPPLEMENTAL GROUP NO.: 613983. Water Rights Appurtenant to the following use(s):
 91-19 (CERT), 28 (CERT), 84 (CERT), 99 (CERT), 144 (WUC)

118 (CERT), 125 (WUC), 141 (CERT), 143 (CERT), 145 (CERT)

146 (WUC), 158 (CERT), 159 (CERT), 178 (CERT), 332 (UGWC)

360 (DEC), 361 (DEC), 362 (WUC), 363 (DEC), 367 (WUC)

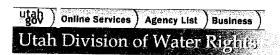
368 (WUC), 369 (WUC), 372 (DEC)
                                                                                         MINING: DISTRICT: Columbia
                                                                     NAME: Columbia
                                                                                                                                                     PERIOD OF USE: 01/01 TO 12/31
                         ORES: coal
                        Acre Feet Contributed by this Right for this Use: Unevaluated
 SUPPLEMENTAL GROUP NO.: 613984. Water Rights Appurtenant to the following use(s): 91-28(CERT), 84(CERT), 114(WUC), 118(CERT), 125(WUC)
141(CERT), 143(CERT), 145(CERT), 158(CERT), 159(CERT)
360(DEC), 361(DEC), 362(WUC), 363(DEC), 367(WUC)
368(WUC), 369(WUC), 372(DEC)
    MINING: DISTRICT: Sunnyside
                                                                   NAME: Sunnyside
                                                                                                                                                    PERIOD OF USE: 01/01 TO 12/31
                         ORES: coal
                        Acre Feet Contributed by this Right for this Use: Unevaluated
 SUPPLEMENTAL GROUP NO.: 613985. Water Rights Appurtenant to the following use(s):
 361-28 (CERT), 84 (CERT), 114 (WUC), 118 (CERT), 125 (WUC)
141 (CERT), 143 (CERT), 145 (CERT), 146 (WUC), 148 (CERT)
149 (CERT), 150 (CERT), 158 (CERT), 159 (CERT), 178 (CERT)
183 (CERT), 360 (DEC), 361 (DEC), 362 (WUC), 363 (DEC)
367 (WUC), 368 (WUC), 369 (WUC), 372 (DEC)
                DISTRICT: Columbia
ORES: Coal
                                                                   NAME: Horse Canyon
                                                                                                                                                   PERIOD OF USE: 01/01 TO 12/31
 Acre Feet Contributed by this Right for this Use: Unevaluated Administratively changed on Feb 14, 2007, by deleting the Domestic entry for 800 persons, and adding it to this Mining entry. The Mining was to employ and/or service the 800 persons.
   INDUSTRIAL: In conjunction with the coal mining occuring at Horse Canyon.

Acre Feet Contributed by this Right for this Use: Unevaluated
                                                                                                                                                   PERIOD OF USE: 01/01 TO 12/31
SUPPLEMENTAL GROUP NO.: 615817. Water Rights App. 91-37(CERT), 99(CERT), 118(CERT), 139(CERT), 143(CERT) 145(CERT), 158(CERT), 159(CERT), 361(DEC), 364(DEC), 3522(DIL), 3524(DIL), 3761(DIL), 4941(UNAP)
                                                Water Rights Appurtenant to the following use(s):
 4942 (WD)
   POWER:
                  SCA Steam Generation Power Plant, rated at 58 MW.
                                                                                                                                                    PERIOD OF USE: 01/01 TO 12/31
                      CFS Contributed by this Right for this Use: Unevaluated
                                                                                            ###PLACE OF USE:
Sec 06 T 15S R 14E SLBM *
                                                                                                                                                                                                GROUP
This Right (91-159) has an evaluated sole-supply total for irrigation of 0.0000 acres.
This Right (91-159) is a member of 8 supplemental water right groups with irrigated acreage totaling 164.6500 acres.
Storage from 01/01 to 12/31, inclusive, in Grassy Trail Reservoir with a maximum capacity of 916.000 acre-feet, located in:
Height of Dam: 89 NORTH-WEST4 SOUTH-WEST4 SOUTH-EAST4 SOUTH-EAST54
Area Inundated: NW NE SW SE NW NE SW SE NW NE SW SE
Sec 07 T 14S R 14E SLBM
                                          * X: X: X: X*
                                                                                                                           : : :
Small Dam Required?: No
For irrigation, WUCs 91-143,145,159 are limited to the requirements of
       123.40 acres.
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(WARNING: Water Rights makes NO claims as to the accuracy of this data.) RUN DATE: 01/26/2011
                       APPLICATION/CLAIM NO.: A20409
                                                     CERT. NO.: 5901
 CHANGES: <u>a3770</u>
               __Certificate 5901 (Issued: )
 NAME: East Carbon City (Public Water Supplier)
 ADDR: 200 East Park Place
      East Carbon UT 84520
 INTEREST: 50%
                  REMARKS:
 NAME: Sunnyside City (Public Water Supplier)
ADDR: P.O. Box 69
      Sunnyside UT 84539
 INTEREST: 50%
                  REMARKS:
LAND OWNED BY APPLICANT?
                                      COUNTY TAX ID#:
FILED:
         12/21/1948 | PRIORITY: 12/19/1951 | PUB BEGAN:
                                                        I PUB ENDED:
                                                                           INEWSPAPER:
ProtestEnd:
                  PROTESTED: [No
                                    ] | HEARNG HLD:
                                                        ISE ACTION: [Approved] | ActionDate: 02/09/1953 | PROOF DUE:
EXTENSION:
                  [ELEC/PROOF: [
                                    ) [ELEC/PROOF:
                                                        |CERT/WUC: 10/28/1970|LAP, ETC:
RUSH LETTR:
                  | RENOVATE :
                                     | RECON REQ:
                                                        ITYPE: [
PD BOOK: [91-5 ] | MAP: [58c ] | PUB
*TYPE -- DOCUMENT -- STATUS-----
                                    ] | PUB DATE:
Type of Right: Application to Appropriate
                                       Source of Info: Proposed Determination
                                                                               Status: Certificate
FLOW: 916.0 acre-feet
                                           SOURCE: Grassy Trail Creek
COUNTY: Carbon
                  COMMON DESCRIPTION:
POINTS OF DIVERSION -- SURFACE:
(1) S 2824 ft W 1166 ft from N4 cor, Sec 07, T 14S, R 14E, SLBM
     Diverting Works:
                                                                Source:
(2) S 1163 ft W 644 ft
                    from NE cor, Sec 18, T 14S, R 14E, SLBM
     Diverting Works:
                                                                Source:
(3) N 1521 ft W 1983 ft from SE cor, Sec 29, T 14S, R 14E, SLBM
                                                                Source:
(4) S 1013 ft E
     1013 ft E 125 ft from W4 cor, Sec 01, T 15S, R 13E, SLBM Diverting Works:
                                                                Source:
(5) N 1604 ft E 1245 ft from SW cor, Sec 02, T 15S, R 13E, SLBM
     Diverting Works
                                                                Source:
(6) N 750 ft w 1345 ft from SE cor, Sec 03, T 15S, R 13E, SLBM
                                                                Source:
     566 ft E 4323 ft from NW cor, Sec 09, T 15S, R 13E, SLBM
     Diverting Works:
                                                                Source:
   S 1149 ft E 1320 ft from NW cor, Sec 09, T 155, R 13E, SLBM
     Diverting Works:
                                                                Source:
      91 ft E 2390 ft from W4 cor, Sec 06, T 15S, R 14E, SLBM
     Diverting Works:
                                                                Source:
Stream Alt Required?: No
USES OF WATER RIGHT******* ELU -- Equivalent Livestock Unit (cow, horse, etc.) ******* EDU -- Equivalent Domestic Unit or 1 Family
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Select Related Information	

NAME: Jay Pagano ADDR: Wellington UT 84542 REMARKS	: 55 elu's (supplemental)
DATES, ETC. ************	************************
LAND OWNED BY APPLICANT? FILED: 02/29/1956 PRIORIT PROTESTED: PROTEST EXTENSION: ELEC/PF RUSH LETTR: RENOVAN	COUNTY TAX ID#: TY:
PD BOOK: [91-5] MAP:	
Type of Right; Dilloence Clai	1M Source of Info: Proposed Detarmination
LOCATION OF WATER RIGHT*** (Po	oints of Diversion: Click on Location to access PLAT Program.)************************************
FLOW:	SOURCE: Left Fork of Whitmore Canyon
СОМ	n stream from a point at N 660 ft. E 660 ft. from S4 corner, Sec 35, T13S, R13E, SLBM, to a point at N 660 ft. E 660 ft. from S4 corner, Sec 35, T13S, R13E, SLBM. MMENT: Administratively updated by State Engineer.
COMO OR MUTER VIGITALIANE	ELU Equivalent Livestock Unit (cow, horse, etc.) ******** EDU Equivalent Domestic Unit or 1 Family
91-300(DIL),302(DIL),836(DIL) 2023(DIL),2024(DIL),2025(DIL) 2028(DIL),2029(DIL),2030(DIL)	1, 2026(DIL), 2027(DIL)
2038 (DIL), 2039 (DIL), 2040 (DIL)), 2036(DIL), 2037 (DIL)), 2041 (DIL) NEVALUATED FILIS Group Total, 55 0000 Pin Maria
PLACE OF USE for STOCKWATERIN	, 2036(DIL), 2037(DIL) , 2041(DIL)
STOCKWATER: Sole Supply: UN PLACE OF USE for STOCKWATERIN Sec 35 T 13S R 13E SLBM	2036(DIL), 2037(DIL)
STOCKWATER: Sole Supply: UN PLACE OF USE for STOCKWATERIN Sec 35 T 13S R 13E SLBM SEGREGATION HISTORY*********	2036(DIL), 2037(DIL) 2041(DIL) 2041(
STOCKWATER: Sole Supply: UN PLACE OF USE for STOCKWATERIN Sec 35 T 13S R 13E SLBM SEGREGATION HISTORY*********	L_2036(DIL), 2037(DIL) L_2041(DIL) NEVALUATED ELUS
STOCKWATER: Sole Supply: UN PLACE OF USE for STOCKWATERIN Sec 35 T 13S R 13E SLBM SEGREGATION HISTORY********* Chis Right as originally files FLOW: CFS	2036 (DIL), 2037 (DIL)
STOCKWATER: Sole Supply: UN PLACE OF USE for STOCKWATERIN SEGREGATION HISTORY********** Chis Right as originally files FLOW: CFS CFS Che following Water Rights hav 1) WRNUM: 91-5112 APPL#: D376 NAME: Hinkins, David H FILED: 11/27/2006 STATU APPR:	L_2036(DIL), 2037(DIL) L_2041(DIL) NEVALUATED ELUS

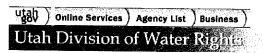
Utah Division of Water Rights | 1594 West North Temple Suite 220, P.O. Box 146300, Salt Lake City, Utah 84114-6300 | 801-538-7240 Natural Resources | Contact | Disclaimer | Privacy Policy | Accessibility Policy | Emergency Evacuation Plan





Select Related Inform	nation	
		_

(WARNING: Water Rights makes NO claims as to the accuracy of this data.) RUN DATE: 01/26/2011 WATER RIGHT: 91-302 APPLICATION/CLAIM NO.: D378 CERT. NO.:
OWNERSHIP************************************
NAME: Jay Pagano ADDR: Wellington UT 84542 REMARKS: 55 elu's (supplemental)
DATES, ETC.************************************
LAND OWNED BY APPLICANT? COUNTY TAX ID#: FILED: 02/29/1956 PRIORITY: / /1898 PUB BEGAN: PUB ENDED: NEWSPAPER: ProtestEnd: PROTESTED: [No
Type of Right: Diligence Claim Source of Info: Proposed Determination Status:
LOCATION OF WATER RIGHT*** (Points of Diversion: Click on Location to access PLAT Program) ***********************************
FLOW: SOURCE: Left Fork of Whitmore Canyon COUNTY: Carbon COMMON DESCRIPTION:
POINT OF DIVERSION POINT TO POINT: (1)Stockwatering directly on stream from a point at S 660 ft. W 660 ft. from E4 corner, Sec 06, T14S, R14E, SLBM, to a point at S 660 ft. W 660 ft. from E4 corner, Sec 06, T14S, R14E, SLBM. COMMENT: Administratively updated by State Engineer.
USES OF WATER RIGHT******* ELU Equivalent Livestock Unit (cow, horse, etc.) ******* EDU Equivalent Domestic Unit or 1 Family





Select Related Information (WARNING: Water Rights makes NO claims as to the accuracy of this data.) RUN DATE: 01/26/2011 APPLICATION/CLAIM NO.: CERT. NO.: a529 _Certificate a312 (Issued:) _Certificate a529 (Issued:) _Certificate 529 (Issued:) CHANGES: <u>a1686</u> a2684 a4251 NAME: East Carbon City (Public Water Supplier) ADDR: P.O. Box 70 East Carbon UT 84520 INTEREST: 100% REMARKS: LAND OWNED BY APPLICANT? COUNTY TAX ID#: FILED: |PRIORITY: 00/00/1878|PUB BEGAN: |PROTESTED: [No] | HEARNG HLD | PUB ENDED: INEWSPAPER . ProtestEnd: EXTENSION: LIHEARNG HLD: |SE ACTION: [] | ActionDate: I PROOF DUE: |ELEC/PROOF: [] (ELEC/PROOF: |CERT/WUC: 03/25/1971|LAP, ETC: RUSH LETTR: IRECON REQ: RENOVATE:] | PUB DATE: Type of Right: Decree Source of Info: Proposed Determination Status: SOURCE: Grassy Trail Creek COUNTY: Carbon COMMON DESCRIPTION: POINTS OF DIVERSION -- SURFACE: (1) S 2824 ft W 1166 ft from N4 cor, Sec 07, T 14S, R 14E, SLBM Diverting Works: Source: N 1521 ft W 434 ft from SE cor, Sec 18, T 14S, R 14E, SLBM Diverting Works: Source: (3) S 1163 ft W 644 ft from NE cor, Sec 18, T 14S, R 14E, SLBM Diverting Works: Source: S 1013 ft E 125 ft from W4 cor, Sec 01, T 15S, R 13E, SLBM Diverting Works: N 1604 ft E 1245 ft from SW cor, Sec 02, T 15S, R 13E, SLBM Source: Diverting Works: Source: (6) N 750 ft W 1345 ft from SE cor, Sec 03, T 15S, R 13E, SLBM Diverting Works Source: 566 ft E 4323 ft from NW cor, Sec 09, T 15S, R 13E, SLBM Diverting Works: Source: (8) S 1149 ft E 1320 ft from NW cor, Sec 09, T 15S, R 13E, SLBM Diverting Works: Source: 91 ft E 2390 ft from W4 cor, Sec 06, T 155, R 14E, SLBM Diverting Works: Source: Stream Alt Required?: No USES OF WATER RIGHT******* ELU -- Equivalent Livestock Unit (cow, horse, etc.) ******* EDU -- Equivalent Domestic Unit or 1 Family SUPPLEMENTAL GROUP NO.: $\underline{613926}$ Water Rights Appurtenant to the following use(s): 91-28 (CERT), 84 (CERT), 100 (WUC), 114 (WUC), 118 (CERT) 125(WUC), 141 (CERT), 158 (CERT), 360 (DEC), 361 (DEC)
362 (WUC), 363 (DEC), 367 (WUC), 368 (WUC), 369 (WUC) 372 (DEC) IRRIGATION: Sole Supply: UNEVALUATED acres Group Total: 66.5 Div Limit: 266.0 acft. PERIOD OF USE: 06/15 TO 09/15 Water User's Claim No. 100 is limited to the irrigation requirements of 6.54 acres. -----NORTH WEST QUARTER-----*---NORTH EAST QUARTER-----*------SOUTH WEST QUARTER----*--SOUTH EAST * NW SW | SE * NW l NE | SE * NW * NW l NE I SW NE NE Sec 03 T 15S R 13E SLBM * Sec 10 T 15S R 13E SLBM * *36.50001 GROUP SUPPLEMENTAL GROUP NO.: 613974. Water Rights Appurtenant to the following use(s): 91-28 (CERT), 84 (CERT), 114 (WUC), 118 (CERT), 125 (WUC) 141 (CERT), 158 (CERT), 360 (DEC), 361 (DEC), 362 (WUC) 363 (DEC), 367 (WUC), 368 (WUC), 369 (WUC), 372 (DEC) IRRIGATION: Sole Supply: UNEVALUATED acres Group Total: 932.4 Div Limit: 3729.6 acft. PERIOD OF USE: 04/01 TO 10/31 *-----NORTH WEST QUARTER-###PLACE OF USE: -NORTH EAST QUARTER-----*---SOUTH WEST QUARTER-* NW SE * NW NE | SW NE SE * NW | NE | SW | SE Sec 24 T 155 R 12E SLBM *
Sec 02 T 155 R 13E SLBM *
Sec 03 T 155 R 13E SLBM * [10.1000] 6.6000* *12.3000|14.0800|23.8300|34.2900*21.9500| 7.4000 2 Sec 07 T 15S R 13E SLBM *38.3000|39.5000|40 Sec 08 T 15S R 13E SLBM 139.60001 2.5000*20.9500 31.0000 | 11.9000 * 40.0000 | 40.0000 | 40.0000 | 40.0000 * 4.5500 | Sec 10 T 155 R 13E SLBM * 8.0000| 0.2000|10.1000* 34.50001 3.20001 Sec 11 T 15S R 13E SLBM *14.3000

Sec 17 T 15S R 13E SLBM Sec 18 T 15S R 13E SLBM Sec 19 T 15S R 13E SLBM	* *31.900	 	40.0000 31.5000	0) 0) 8.9000	* 40.0000 *	 40.0000		140.0000	*	14.8000	7.7000	12.0000	*	
Sec 24 T 15S R 13E SLBM Sec 06 T 15S R 14E SLBM		_{	-	-	*	110.1000	!	6.6000	*11.2800	i			*	i i
======================================		_'		_'		.'	'			-	I	-'	.	GROUI
SUPPLEMENTAL GROUP NO.: 91-28 (CERT), 37 (CERT), 84 (125 (WUC), 141 (CERT), 158 (C 362 (WUC), 363 (DEC), 367 (WU 372 (DEC)	613975. CERT),11 ERT),360	Water F 4(WUC),11 (DEC),361	Rights Ap .8(CERT) .(DEC)	ppurtena	nt to the	follow:	ng use(5):					* * = = = # * *	
IRRIGATION: Sole Suppl	Y: UNEVA	LUATED ac	res	Group To	tal: 102	. 85	Div L	imit: 41	1.4 acft	PE	RIOD OF	USE: 04/	01 TO 10	0/31
###PLACE OF USE:	* NW	-NORTH WE	ST QUART	ER SE	*	NORTH EA	ST QUART	ER	*	SOUTH WE	ST QUART	ER	*	SOUTH EAST
Sec 19 T 15S R 12E SLBM Sec 24 T 15S R 12E SLBM	*	-	¦	<u> </u>	*	ļ	1	ļ	*		12.1000		*	3.7000
Sec 25 T 15S R 12E SLBM Sec 19 T 15S R 13E SLBM				ļ	*	2.6500	<u> </u>		*	<u> </u>	12.1000	!===	*	- 3.7000 - _
Sec 30 T 15S R 13E SLBM		o i	22.2000	4.3000	*	i	<u> </u>	i	* 4.7000			6.2000	·	' <u></u> '-
SUPPLEMENTAL GROUP NO.: 91-28 (CERT), 84 (CERT), 114 138 (WUC), 141 (CERT), 158 (C 362 (WUC), 363 (DEC), 367 (WU 372 (DEC)	613976. (WUC),11: ERT),360 C),368(WI	Water F 8(CERT),1 (DEC),361 UC),369(W	Rights Ap 25(WUC) (DEC) UC)	ppurtenar	nt to the	followi	ng use(s	3):						GROUP
IRRIGATION: Sole Suppl	y: UNEVAL	LUATED ac:	res	Group To	tal: 72.3	2	Div L	imit : 289	R acft	220	IOD OF	USE: 04/	01 TO 10	/31
###PLACE OF USE:	*	-NORTH WE	ST OUART	ER	*	NORTH FAS	ודימבוזה די	FR	·	COULTE MEC	T OTTED DE	ED 4	*	SOUTH EAST
Sec 10 T 15S R 13E SLBM	*	_i		19.0000	*	NE	30.2000	123.0000°		NE		SE '	* NW *	li_
*======================================				=======		*******	.======	**======		=======				GROUP
SUPPLEMENTAL GROUP NO.: 91-28 (CERT), 84 (CERT), 114 (114 (CERT), 143 (CERT), 143 (CERT), 145 (CERT), 145 (CERT), 165 (CERT), 360 (WUC), 363 (DEC), 367 (WUC), 368 (WUC)	(WUC), 118 CERT), 146 DEC), 361 C), 369 (WI	8 (CERT), 1: 6 (WUC), 150 (DEC), 362 UC), 372 (DI	25 (WUC) 8 (CERT) (WUC) EC)											
IRRIGATION: Sole Supply	y: UNEVAL	JUATED act	res (Group Tot	tal: 15.6	53	Div Li	imit · 62	52 acft	PER	IOD OF U	JSE: 04/0)1 TO 10	 /31
###PLACE OF USE:		NORTH WES	ST OUARTI	ER	*	JORTH EAS	T OHERTE	R*		COLLAR MES	ידי מונות מידים	a		DOMEST SERVICE
Sec 17 T 15S R 14E SLBM	* NW	NE	SW	I SE '	* NW	NE	I	SE *	NW	NE I	SW I	SE *	NW	NE
Sec 18 T 15S R 14E SLBM				'	*1	11		*		5.2100	اـــــا	0.8000*		GROUP
*=====================================	513978. (WUC),118 CERT),360 (),368(WU	Water R 3 (CERT), 12 3 (DEC), 361 JC), 369 (WU	ights Ap 25(WUC) L(DEC) JC)	purtenan	t to the	followin	ng use(s):				*******		
IRRIGATION: Sole Supply	: UNEVAL	DUATED acr	es (Group Tot	:al: 11.4	5	Div Li	mit: 45.	8 acft.	PER	IOD OF U	SE: 04/0	1 TO 10/	/31
###PLACE OF USE:	*	NORTH WES	T QUARTE	ER*	N	ORTH EAS	T QUARTE	R*		OUTH WES	 F QUARTE	: R*		OUTH EAST
Sec 02 T 15S R 13E SLBM	* NW	NE		SE *	NW	NE	SW	SE *	NW	NE	SW	SE *	MM	NE 11.4500
*======================================	=======							=======				======		GROUP
SUPPLEMENTAL GROUP NO.: £ 91-28 (CERT), 84 (CERT), 114 (CERT), 114 (CERT), 142 (C 146 (WUC), 158 (CERT), 159 (CERT), 363 (DEC), 363 (MUC), 372 (DEC)	WUC), 118 ERT), 143 RT), 178 ((CERT), 12 (CERT), 14 CERT), 360	5 (WUC) 5 (CERT) (DEC)	purtenan	t to the	followir	g use(s)	:						
IRRIGATION: Sole Supply			es G	Group Tot	al: 149.	 02	Div Li	 mit: 582	 .56 acft		OD OF U	SE: 04/0	 l TO 10/	 31
###PLACE OF USE:	*	NORTH WES			N		CQUARTE:	R*-	s	OUTH WEST				 OUTH EAST
Sec 01 T 15S R 13E SLBM	* NW *	NE	SW	SE *	W	NE	SW	SE *				SE * 15.9300*2		NE 8.6200 8
Sec 02 T 15S R 13E SLBM	*	11	1	*		I.		*	I			*-	1	GROUP
SUPPLEMENTAL GROUP NO.: 6 91-19 (CERT), 28 (CERT), 84 (C 120 (CERT), 124 (CERT), 125 (CE 145 (CERT), 146 (WUC), 158 (CE 360 (DEC), 361 (DEC), 362 (WUC) 368 (WUC), 369 (WUC), 372 (DEC	13980. ERT),114 UC),141((RT),159((),363(DE(Water Ri (WUC),118 CERT),143 CERT),178	ghts App (CERT) (CERT) (CERT)	purtenant	to the	followin	g use(s)	:	3E & 33 5 5			F362633	:200	
DOMESTIC: Sole Supply Domestic uses in Columbia	, Utah.			roup Tota				nit: 76.4				SE: 01/01	TO 12/	 31
SUPPLEMENTAL GROUP NO.: 6 91-28 (CERT), 84 (CERT), 114 (C 139 (CERT), 140 (CERT), 141 (CI 145 (CERT), 146 (WIC), 158 (CE	13981. WUC),118 ERT),142	Water Ri (CERT), 12: (CERT), 14:	ghts App 5 (WUC) 3 (CERT)											

360 (DEC), 361 (DEC), 362 (WUC), 363 (DEC), 367 (WUC) 368 (WUC), 369 (WUC), 372 (DEC) DOMESTIC: Sole Supply: UNEVALUATED EDUS Group Total: 770.0000 Div Limit: 560.56 acft. Flow for domestic is part of flow for irrigation. Domestic use at unincorporated areas at t. PERIOD OF USE: 01/01 TO 12/31 Sunnyside and East Carbon. SUPPLEMENTAL GROUP NO.: 613983. Water Rights Appurtenant to the following use(s): 91-19 (CERT), 28 (CERT), 84 (CERT), 99 (CERT), 114 (WUC) 118 (CERT), 125 (WUC), 141 (CERT), 143 (CERT), 145 (CERT) 146 (WUC), 158 (CERT), 159 (CERT), 178 (CERT), 332 (UGWC) 360 (DEC), 361 (DEC), 362 (WUC), 363 (DEC), 367 (WUC) 368 (WUC), 369 (WUC), 372 (DEC) NING: DISTRICT: Columbia NAME: Columbia PERIOD OF USE: 01/01 TO 12/31 ORES: coal Acre Feet Contributed by this Right for this Use: Unevaluated SUPPLEMENTAL GROUP NO.: 613984. Water Rights Appurtenant to the following use(s): 91-28 (CERT), 84 (CERT), 114 (WUC), 118 (CERT), 125 (WUC)
141 (CERT), 143 (CERT), 145 (CERT), 158 (CERT), 159 (CERT)
360 (DEC), 361 (DEC), 362 (WUC), 363 (DEC), 367 (WUC) 368 (WUC), 369 (WUC), 372 (DEC) MINING: DISTRICT: Sunnyside NAME: Sunnyside PERIOD OF USE: 01/01 TO 12/31 ORES: coal Acre Feet Contributed by this Right for this Use: Unevaluated SUPPLEMENTAL GROUP NO.: 613985. Water Rights Appurtenant to the following use(s): 91-28 (CERT), 84 (CERT), 114 (WUC), 118 (CERT), 125 (WUC)
141 (CERT), 143 (CERT), 145 (CERT), 146 (WUC), 148 (CERT)
149 (CERT), 150 (CERT), 158 (CERT), 159 (CERT), 178 (CERT)
183 (CERT), 360 (DEC), 361 (DEC), 362 (WUC), 363 (DEC)
367 (WUC), 368 (WUC), 369 (WUC), 372 (DEC) MINING: DISTRICT: Columbia ORES: Coal NAME: Horse Canyon PERIOD OF USE: 01/01 TO 12/31 Acre Feet Contributed by this Right for this Use: Unevaluated
Administratively changed on Feb 14, 2007, by deleting the Domestic entry for 800 persons, and
adding it to this Mining entry. The Mining was to employ and/or service the 800 persons. INDUSTRIAL: In conjunction with the coal mining occuring at Horse Canyon.

Acre Feet Contributed by this Right for this Use: Unevaluated PERIOD OF USE: 01/01 TO 12/31 SUPPLEMENTAL GROUP NO.: 614007. Water Rights Appurtenant to the following use(s): 91-28(CERT), 84(CERT), 114(WUC), 118(CERT), 125(WUC)
141(CERT), 146(WUC), 158(CERT), 360(DEC), 361(DEC)
362(WUC), 363(DEC), 367(WUC), 368(WUC), 369(WUC) Sec 06 T 15S R 14E SLBM *_ SUPPLEMENTAL GROUP NO.: 614158. Water Rights Appurtenant to the following use(s): 91-28 (CERT), 94 (CERT), 114 (MUC), 118 (CERT), 125 (MUC)
141 (CERT), 143 (CERT), 144 (CERT), 145 (CERT), 146 (MUC)
156 (CERT), 178 (CERT), 239 (APP), 360 (DEC), 361 (DEC) 362 (WUC), 363 (DEC), 367 (WUC), 368 (WUC), 369 (WUC) MUNICIPAL: Sunnyside PERIOD OF USE: 01/01 TO 12/31 Acre Feet Contributed by this Right for this Use: Unevaluated This Right (91-360) has an evaluated sole-supply total for irrigation of 0.0000 acres. This Right (91-360) is a member of 14 supplemental water right groups with irrigated acreage totaling 1361.3300 acres. Storage from 03/15 to 12/15, inclusive, in Grassy Trail Reservoir with a maximum capacity of 916.000 acre-feet, located in: y Trail Reservoir with a meathmen of the North-East's South-West's South-East's NW NE SW SE NW NE SW SE NW NE SW SE NW NE SW SE STAN NE SW SE STAN NE SW SE STAN NE SW SE STAN NE SW SE STAN NE SW SE STAN NE SW SE STAN NE SW SE STAN NE SW SE STAN NE SW SE STAN NE SW SE STAN NE SW SE 89 NORTH-WEST Area Inundated: NW NE SW SE Sec 07 T 14S R 14E SLBM Small Dam Required?: No





Select Related Information (WARNING: Water Rights makes NO claims as to the accuracy of this data.) RUN DATE: 01/26/2011 WATER RIGHT: 91-361 APPLICATION/CLAIM NO.: CERT. NO.: CHANGES: a18518 Approved a1687 BAD STATUS a2682 ___Certificate a313 (Issued:) a4247 _Certificate a531 (Issued:) t18429 Expired NAME: Sunnyside Cogeneration Associates (Public Water Supplier) ADDR: ATTN: Plant Manager P.O. Box 159 Sunnyside UT 84539 INTEREST: 100% REMARKS: LAND OWNED BY APPLICANT? COUNTY TAX ID#: |PRIORITY: 00/00/1878|PUB BEGAN: |PROTESTED: [No] | HEARNG HLD | PUB ENDED: INEWSPAPER: ProtestEnd: EXTENSION:] | HEARNG HLD: ISE ACTION: [] [ActionDate: | PROOF DUE: |ELEC/PROOF:[] | ELEC/PROOF: CERT/WUC: |LAP, ETC: RUSH LETTR: RENOVATE: RECON REQ: TYPE: [PD BOOK: [91-5] |MAP: [58c | TYPE -- DOCUMENT -- STATUS-----] | PUB DATE: Type of Right: Decree Source of Info: Proposed Determination Status: FLOW: 0.5 cfs SOURCE: Grassy Trail Creek COUNTY: Carbon COMMON DESCRIPTION: POINTS OF DIVERSION -- SURFACE: (1) S 2824 ft W 1166 ft from N4 cor, Sec 07, T 14S, R 14E, SLBM Diverting Works Source: S 1163 ft W 644 ft from NE cor, Sec 18, T 14S, R 14E, SLBM Diverting Works: Source: N 1521 ft W 1983 ft from SE cor, Sec 29, T 14S, R 14E, SLBM Diverting Works: Source: 1013 ft E 125 ft from W4 cor, Sec 01, T 15S, R 13E, SLBM Diverting Works: (4) S 1013 ft E Source: (5) N 1604 ft E 1245 ft from SW cor, Sec 02, T 155, R 13E, SLBM Diverting Works: Source: (6) N 750 ft W 1345 ft from SE cor, Sec 03, T 15S, R 13E, SLBM Diverting Works: Source: S 566 ft E 4323 ft from NW cor, Sec 09, T 158, R 13E, SLBM Diverting Works:
(8) S 1149 ft E 1320 ft from NW cor, Sec 09, T 15S, R 13E, SLBM Source: Diverting Works: Source: (9) N 91 ft E 2390 ft from W4 cor, Sec 06, T 15S, R 14E, SLBM Diverting Works: Source: Stream Alt Required?: No USES OF WATER RIGHT******* ELU -- Equivalent Livestock Unit (cow, horse, etc.) ******* EDU -- Equivalent Domestic Unit or 1 Family SUPPLEMENTAL GROUP NO.: 613926. Water Rights Appurtenant to the following use(s): 91-28 (CERT), 84 (CERT), 100 (WUC), 114 (WUC), 118 (CERT) 125 (WUC), 141 (CERT), 158 (CERT), 360 (DEC), 361 (DEC) 362 (WUC), 363 (DEC), 367 (WUC), 368 (WUC), 369 (WUC) 372 (DEC) IRRIGATION: Sole Supply: UNEVALUATED acres cres Group Total: 66.5 Div Div Limit: 266.0 acft. PERIOD OF USE: 06/15 TO 09/15 Water User's Claim No. 100 is limited to the irrigation requirements of 6.54 acres. T

###PLACE OF USE:	*NORTH WEST QUARTER*SOUTH EAST	
	" NW INE SW ISE * NW NE SW ISE * NW NE SW ISE * NW I NE	
Sec 03 T 15S R 13E SLBM		
Sec 10 T 15S R 13E SLBM	*	
	GROUP	
*======================================	GROUP	
SUPPLEMENTAL GROUP NO.: 6	613974. Water Rights Appurtement to the following use(a):	

SUPPLEMENTAL GROUP NO.: $\underline{613974}$. Water Rights Appurtenant to the following use(s): $\underline{91-28\,(\text{CERT})}$, $\underline{84\,(\text{CERT})}$, $\underline{114\,(\text{WUC})}$, $\underline{118\,(\text{CERT})}$, $\underline{125\,(\text{WUC})}$

363 (DEC), 367 (WUC), 368 (WUC), 369 (WUC), 372 (DEC)

IRRIGATION: Sole Supply: UNEVALUATED acres

###PLACE OF USE:	*NORTH WEST QUARTER*NORTH EAST QUARTERSOUTH WEST QUARTER*SOUTH EAST	т
Sec 24 T 15S R 12E SLBM	* NW NE SW SE * NW NE SW SE * NW NE SW SE * NW NE	•
Sec 02 T 15S R 13E SLBM	M * 12.3000 14.0800 23.8300 34.2900 23.0500	
Sec 03 T 15S R 13E SLBM Sec 07 T 15S R 13E SLBM	<u>* 7.4000</u>	
-	*38.3000]39.5000[4	40

Group Total: 932.4

Div Limit: 3729.6 acft. PERIOD OF USE: 04/01 TO 10/31

Sec 08 T 15S R 13E SLBM Sec 10 T 15S R 13E SLBM	4 + 0 0000	39.600			0*20.950		_ 31.0000	111.9000*40.000	0140.0000	140.0000	40.0000*	4.5500)
Sec 10 1 155 R 13E SLB			_ 0.200	00 10.100	o*	_ 34.500	0 3.2000	*	-!	!	<u>*</u> .		<u>i </u>
Sec 17 T 15S R 13E SLBM Sec 18 T 15S R 13E SLBM	₫ *		140.000		*	_ii	-i <u></u>	·	-	¦	¦*-		·} -
Sec 19 T 15S R 13E SLBN	1 *31.9000		_131.500	00 8.900	0*40.000 *	0 40.000	아!	40.0000*	114.8000	7.7000	12.0000*		
Sec 24 T 15S R 13E SLBM Sec 06 T 15S R 14E SLBM	1 *			_	*	10.1000	ōi	6.6000*	<u> </u>	<u> </u>	<u> </u> *-		·
			_'	_'	*	_'	_!	*11.2800		1	*		
*=====================================						222220	**======				7247£2222		GROUI
SUPPLEMENTAL GROUP NO.: 91-28 (CERT), 37 (CERT), 84 125 (WUC), 141 (CERT), 158 (C 362 (WUC), 363 (DEC), 367 (WU 372 (DEC)	(CERT), 114 (CERT), 360 (I (IC), 368 (WUC	(WUC), 1 DEC), 36 C), 369(18 (CERT) 1 (DEC) WUC)	<u>.</u>		e follow	ing use(s	:):					
IRRIGATION: Sole Suppl	y: UNEVALU	ATED a	cres	Group To	otal: 102			imit: 411.4 acft	. PEI	RIOD OF	USE: 04/01	TO 10	
###PLACE OF USE:		OKIA W	ST QUAR	TER	- *	-NORTH EA	ast quarti	ER	SOUTH WES	ST OUARTI	ER		 South east
Sec 19 T 15S R 12E SLBM	(*)	146	1	SE	* NW	NE	l SW	SE * NW		SW 12.1000	SE *	NW	NE I
Sec 24 T 15S R 12E SLBM Sec 25 T 15S R 12E SLBM	*		-	_{	*	2.6500	!	*			·		3.7000
Sec 19 T 15S R 13E SLBM	*		·	_:	*	1	'¦	*	<u> </u>	12.1000	<u>*</u> -		!!-
Sec 30 T 155 R 13E SLBM	*31.0000		122.200	0 4.3000)*	1	1	* 4,7000			6.2000*		' <u>'</u> -
SUPPLEMENTAL GROUP NO.:								********	=======				GROUP
138 (WUC), 141 (CERT), 158 (C 362 (WUC), 363 (DEC), 367 (WU 372 (DEC) IRRIGATION: Sole Suppl	C), 368 (WUC), 369 (N	res	Group To	tal: /2.	. 2	Div Li	mit: 288.8 acft	. PER	IOD OF U	SE: 04/01	TO 10/	31
Sec 10 T 15S R 13E SLBM	* NW	NE NE	J SW	TEK	* NW	NORTH EA	ST QUARTE	R	SOUTH WES	T QUARTE			
*======================================											*_	!	GROUP
159 (CERT), 178 (CERT), 360 () 363 (DEC), 367 (WUC), 368 (WUC) IRRIGATION: Sole Supply ###PLACE OF USE:	C), 369 (WUC), <u>372(D</u>	EC) res	Group To	tal: 15.	63	Div Li	mit: 62.52 acft.	PER	IOD OF U	SE: 04/01	TO 10/	31
	7414	ORTH WE NE	ST QUART SW	TER	*	NORTH EAS	ST OUARTE	RS SE * NW /	CHITH WES	T OTIND TO	D	-	OTTMIT DE CE
Sec 17 T 15S R 14E SLBM Sec 18 T 15S R 14E SLBM			!	-	<u>. —</u>	!!	j	* 3.8000		5.8200	*	i	
			'	-'		''	·'		5.21001			1	GROUP
SUPPLEMENTAL GROUP NO.: <u>6</u> 91-28 (CERT), 84 (CERT), 114 (137 (CERT), 141 (CERT), 158 (C 362 (WUC), 363 (DEC), 367 (WUC 372 (DEC)	(<u>WUC)</u> , 118 (CERT), 360 (I	Water R CERT),1 DEC),36	ights Ap 25(WUC) 1(DEC) UC)	ppurtenan ·	t to the	followi	ng use(s)	:	***	78 W = 3 Z Z Z			
IRRIGATION: Sole Supply	: UNEVALUA	ATED ac	res	Group Tot	al: 11.4		Div Lin	nit: 45.8 acft.	PERI	OD OF H	E: 04/01	TO 10/	3.1
###PLACE OF USE:	*NC	ישו שיים											
	1414	NE NE	SW SW	SE *	NW	NORTH EAS	T QUARTER	SE * NW	OUTH WEST		SE * 1		
_Sec 02 T 15S R 13E SLBM	*			.'*				*i.			*		1.4500
**************************************	WUC),118 (C ERT),143 (C RT),178 (CE),367 (WUC)	Water R (ERT), 12 (ERT), 14 (RT), 360 (WI	ights Ap 25(WUC) 15(CERT))(DEC) JC)	opurtenani	t to the	followin	ng use(s)						
IRRIGATION: Sole Supply	· OME AUTION	ien act	es (Group Tor	al: 149.	02	D137 T.120	it: 587 56 20ft	ת מימות	OD OD III	TI. 04/01 P		
###PLACE OF USE:	*NO	RTH WES	T OUARTI	ER*	м	ORTH FAC		*S0					
	IAM	NE	SW	SE *	NW I	NE I	SW	SE * NW	NE	SW	SE * N	₩ I	NE I
Sec 01 T 15S R 13E SLBM Sec 02 T 15S R 13E SLBM		:		¦*				*19.4100 2	26.3100	6.5600 1	5.9300*20.	8800	8.6200 8
				'	··············					'_	*	!_	GROUP
**************************************	13980. W ERT),114(W UC),141(CE: RT),159(CE:),363(DEC)	Vater Ri UC), <u>118</u> RT), <u>143</u> RT), <u>178</u> , <u>367 (WU</u>	ights Ap: (CERT) (CERT) (CERT) C)	purtenant	to the	followin	g use(s):				* 25 11 2 2 2 2 2		
DOMESTIC: Sole Supply: Domestic uses in Columbia, *	UNEVALUA:	red edu	s G	Group Tota	al: 105.	0000	Div Lim	it: 76.44 acft.			3: 01/01 T		

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91-28 (CERT), 84 (CERT), 114 (WUC), 118 (CERT), 125 (WUC)
 139(CERT), 140(CERT), 141(CERT), 142(CERT), 143(CERT)
145(CERT), 146(WUC), 158(CERT), 159(CERT), 178(CERT)
 360 (DEC), 361 (DEC), 362 (WUC), 363 (DEC), 367 (WUC)
 368 (WUC), 369 (WUC), 372 (DEC)
     DOMESTIC: Sole Supply: UNEVALUATED EDUS Group Total: 770.0000 Div Limit: 560.56 acft. PERIOD OF USE: 01/01 TO 12/31
 Flow for domestic is part of flow for irrigation. Domestic use at unincorporated areas at
 Sunnyside and East Carbon.
 SUPPLEMENTAL GROUP NO.: 613983. Water Rights Appurtenant to the following use(s):
 91-19 (CERT), 28 (CERT), 84 (CERT), 99 (CERT), 114 (WUC)

118 (CERT), 125 (WUC), 141 (CERT), 193 (CERT), 145 (CERT)

146 (WUC), 158 (CERT), 159 (CERT), 178 (CERT), 332 (UGWC)

360 (DEC), 361 (DEC), 362 (WUC), 363 (DEC), 367 (WUC)

368 (WUC), 369 (WUC), 372 (DEC)
    MINING: DISTRICT: Columbia
                                                                                       NAME: Columbia
                                                                                                                                                                                               PERIOD OF USE: 01/01 TO 12/31
                                ORES: coal
                              Acre Feet Contributed by this Right for this Use: Unevaluated
 SUPPLEMENTAL GROUP NO.: 613984. Water Rights Appurtenant to the following use(s): 91-28(CERT), 84(CERT), 114(WUC), 118(CERT), 125(WUC)
141(CERT), 143(CERT), 145(CERT), 158(CERT), 159(CERT)
360(DEC), 361(DEC), 362(WUC), 363(DEC), 367(WUC)
360(MUC), 360(WUC), 360(MUC), 368 (WUC), 369 (WUC), 372 (DEC)
                   DISTRICT: Sunnyside
ORES: coal
    MINING:
                                                                                    NAME: Sunnyside
                                                                                                                                                                                              PERIOD OF USE: 01/01 TO 12/31
                              Acre Feet Contributed by this Right for this Use: Unevaluated
 SUPPLEMENTAL GROUP NO.: 613985. Water Rights Appurtenant to the following use(s): 91-28(CERT),84(CERT),114(WUC),118(CERT),125(WUC)
 141 (CERT), 143 (CERT), 145 (CERT), 146 (WUC), 148 (CERT)
 149 (CERT), 150 (CERT), 158 (CERT), 159 (CERT), 178 (CERT)
183 (CERT), 360 (DEC), 361 (DEC), 362 (WUC), 363 (DEC)
 367 (WUC), 368 (WUC), 369 (WUC), 372 (DEC)
    MINING: DISTRICT: Columbia
                                                                                      NAME: Horse Canyon
                                                                                                                                                                                              PERIOD OF USE: 01/01 TO 12/31
 ORES: Coal
Acre Feet Contributed by this Right for this Use: Unevaluated
Administratively changed on Feb 14, 2007, by deleting the Domestic entry for 800 persons, and
 adding it to this Mining entry. The Mining was to employ and/or service the 800 persons.
    INDUSTRIAL: In conjunction with the coal mining occurring at Horse Canyon.

Acre Feet Contributed by this Right for this Use: Unevaluated
                                                                                                                                                                                              PERIOD OF USE: 01/01 TO 12/31
 SUPPLEMENTAL GROUP NO.: 614007. Water Rights Appurtenant to the following use(s):
91-28 (CERT), 84 (CERT), 114 (WUC), 118 (CERT), 125 (WUC)
141 (CERT), 146 (WUC), 158 (CERT), 360 (DEC), 361 (DEC)
362 (WUC), 363 (DEC), 367 (WUC), 368 (WUC), 369 (WUC)
372 (DEC)
   Sec 06 T 15S R 14E SLBM *
                                                                                                                                                                   *11.2800)
SUPPLEMENTAL GROUP NO.: 614158. Water Rights Appurtenant to the following use(s):
91-28 (CERT), 84 (CERT), 114 (WUC), 118 (CERT), 125 (WUC)
141 (CERT), 143 (CERT), 144 (CERT), 145 (CERT), 146 (WUC)
158 (CERT), 178 (CERT), 239 (APP), 360 (DEC), 361 (DEC)
362 (WUC), 363 (DEC), 367 (WUC), 368 (WUC), 369 (WUC)
 372 (DEC)
                                       MUNICIPAL: Sunnyside
                                                                                                                                                                                             PERIOD OF USE: 01/01 TO 12/31
                             Acre Feet Contributed by this Right for this Use: Unevaluated
SUPPLEMENTAL GROUP NO.: 615817. Water Rights Appurtenant to the following use(s):
91-37 (CERT), 99 (CERT), 118 (CERT), 139 (CERT), 143 (CERT)
145 (CERT), 158 (CERT), 159 (CERT), 361 (DEC), 364 (DEC)
372 (DEC), 3522 (DIL), 3524 (DIL), 3761 (DIL), 4941 (UNAP)
4942 (WD)
                      SCA Steam Generation Power Plant, rated at 58 MW.
CFS Contributed by this Right for this Use: Unevaluated
                                                                                                                                                                                             PERIOD OF USE: 01/01 TO 12/31
                               ###PLACE OF USE:
                                                                                                                                                                                                                                      ----SOUTH EAST
 Sec 06 T 15S R 14E SLBM *
                                                                                                                                                                                                                                                      GROUP
This Right (91-361) has an evaluated sole-supply total for irrigation of 0.0000 acres.
This Right (91-361) is a member of 15 supplemental water right groups with irrigated acreage totaling 1361.3300 acres.
Storage from 3/15 to 12/15, inclusive, in Grassy Trail Reservoir with a maximum capacity of 916.000 acre-feet, located in:
Height of Dam: NORTH-WEST4 NORTH-EAST4 SOUTH-WEST4 SOUTH-EAST4
                                                                                         NORTH-EAST¥
     Area Inundated:
                                                        NW NE SW SE
                                                                                         NW NE SW SE
                                                                                                                          NW NE SW SE
                                                                                                                                                           NW NE SW SE
```

Small Dam Required?: No

Also included in Claim is Certificate Number a-531, and George Christensen Decree, November 7, 1917.
WUC 91-361 is limited to the irrigation requirements of 25.0 acres.

utah)	Online Services	Agency List	Business)
Utah	Division of	of Water	Rights

 Search
ONR -

Select Related Information

CHANGES: <u>a3047</u> Certifi <u>a4238</u> Certifi	APPLICATION/CLA cate a523 (Issu cate a523 (Issu	IM NO.: ed:) ed:)	CERT. 1	NO.:								
OWNERSHIP**********	*****	******	******	*****	******	*****	*****	******	*****	*****	******	***
NAME: Sunnyside City (Publ ADDR: P.O. Box 69 Sunnyside UT 84539 INTEREST: 100% REMAR	KS:	er)										
DATES, ETC.*************	*****	******	*****	*******	******	*****	*****	*****	******	******	******	****
LAND OWNED BY APPLICANT? FILED: PRIOT ProtestEnd: PROT EXTENSION: ELLEC RUSH LETTR: RENO PD BOOK: [91-5] MAP: *TYPE DOCUMENT STATU									PR LA	OOF DUE: PS LETTE	R:	
Type of Right: Decree		Source of	Info: Pro	posed Det	erminatio	on	Stati	us: Water	· Hear's	Claim		
LOCATION OF WATER RIGHT***	(Points of Diver	rsion: Click or	Location	to acces	s PLAT P	rogram.) *****	****MAI	VIEW	ER*****	*****	***
FLOW: 1.0 cfs	N DESCRIPTION:			y Trail Cr							*******	
POINTS OF DIVERSION SURI (1) S 2824 ft W 1166 ft fr Diverting Works: (2) S 1163 ft W 644 ft fr Diverting Works: (3) N 1521 ft W 1943 ft fr Diverting Works: (4) S 1013 ft E 125 ft fr Diverting Works: (5) N 1604 ft E 1245 ft fr Diverting Works: (6) N 750 ft W 1345 ft fr Diverting Works: (7) S 566 ft E 4223 ft fr Diverting Works: (8) S 1149 ft E 120 ft fr Diverting Works: (9) N 91 ft E 2390 ft fr Diverting Works: Stream Alt Required?: No USES OF WATER RIGHT******* SUPPLEMENTAL GROUP NO.: 61 91-28 (CERT), 84 (CERT), 156 (CERT) 362 (MUC), 141 (CERT), 156 (CERT) 372 (DEC)	om N4 cor, Sec 1 om NE cor, Sec 2 om SE cor, Sec 2 om W4 cor, Sec 3 om SE cor, Sec 6 om NW cor, Sec 6 om NW cor, Sec 6 om NW cor, Sec 6 om W4 cor, S	18, T 145, R 14 29, T 145, R 14 29, T 145, R 13 21, T 155, R 13 22, T 155, R 13 23, T 155, R 13 29, T 155, R 13 29, T 155, R 13 29, T 155, R 14 20, T 155, R 14 21, T 155, R 14 22, T 155, R 14 23, T 155, R 14 24, T 155, R 15 25, T 155, R 16 26, T 155, R 16 27, T 155, R 17 28, T 155, R 17 29, T 155, R 17 20, T 155, R 1	IE, SLBM IE, SLBM IE, SLBM IE, SLBM IE, SLBM IE, SLBM IE, SLBM IE, SLBM IE, SLBM IE, SLBM IE, SLBM IE, SLBM IE, SLBM	f followin	eta.) *** g use(s):	*****	EDU E	quivalen	t Domest	ic Unit	or 1 Fam	ri lar
IRRIGATION: Sole Supply: Water User's Claim No. 100	is limited to t	es Group T he irrigation	otal: 66. requireme	5 nts of 6.5	Div Lim 4 acres.	it: 266	.0 acft	. PÉ	RIOD OF	USE: 06/		
###PLACE OF USE: *~	NW NE	T QUARTER SW SE	* NW * 36.5000	NORTH EAST NE 	QUARTER SW	SE *		SOUTH WE:	ST QUART SW 	ER SE 	*	SOUTH EAST
SUPPLEMENTAL GROUP NO.: 61: 91-28 (CERT), 84 (CERT), 114 (WU 141 (CERT), 158 (CERT), 360 (DEC 363 (DEC), 367 (WUC), 368 (WUC),	C), 118 (CERT), 12 (), 361 (DEC), 362 (.ghts Appurtena <u>5(WUC)</u> <u>WUC)</u>	nt to the	following	 j use(s):							GROUE
IRRIGATION: Sole Supply:	UNEVALUATED acr		otal: 932	. 4	Div Lim	 it: 372				 USE: 04/	01 TO 10,	 ⁄31
###PLACE OF USE: *-	NORTH WES'	T QUARTER SW SE	-*1	NORTH EAST	QUARTER-				T QUARTI			
Sec 24 T 15S R 12E SLBM * Sec 02 T 15S R 13E SLBM * Sec 03 T 15S R 13E SLBM * Sec 07 T 15S R 13E SLBM *	1	3. JE		10.1000	•	6.6000*		NE 14.0800	SW 23.8300	34.2900 	*	7.4000 39.5000 4

Sec 08 T 155 R 13E SLBM	*	139.6000) [2.5000	*20.9500) [131.0000	111 9000	*40 000	0140.0000	.40 0000	140 0000	+ 4 EEO	0.1
Sec 10 T 15S R 13E SLBM Sec 11 T 15S R 13E SLBM	* 8.0000	1		0 10.1000			3.2000		*	-[40.0000	1	* 4.550	
Sec 17 T 15S R 13E SLBM	*		40.0000		*		<u> </u>	\ <u></u>	*				*	- -
Sec 18 T 15S R 13E SLBM Sec 19 T 15S R 13E SLBM	*31.9000	i	131.5000	8.9000 	*40.0000 *	40.0000 -	!	140.0000	*	114.8000	7.7000	12.0000	*	- -
Sec 24 T 15S R 13E SLBM Sec 06 T 15S R 14E SLBM		!	1	\ <u></u>	*	110.1000	!	6.6000	* *11.2800				*	
**=====================================		·		-'		-'	'	'	11.2000	,,,		·	*	GROUP
SUPPLEMENTAL GROUP NO.: 91-28 (CERT), 37 (CERT), 84 (CERT), 141 (CERT), 158 (CERT), 158 (CERT), 158 (CERT), 158 (CERT), 158 (CERT), 158 (CERT), 158 (CERT), 158 (CERT), 158 (CERT), 158 (CERT)	613975. CERT),114 ERT),360()	Water F (WUC),11 DEC),361	Rights Ap 8 (CERT) (DEC)					= === ::			======		======	
IRRIGATION: Sole Supply	y: UNEVAL	JATED ac		Group Tot				imit: 41				USE: 04/0		
###PLACE OF USE:	*1	NORTH WE	ST QUART	ER	*	NORTH EA:	ST QUART	ER	*	SOUTH WES	T QUARTI	ER	·	SOUTH EAST
Sec 19 T 15S R 12E SLBM Sec 24 T 15S R 12E SLBM	*	ļ	ļ	· ;	<u> </u>	ļ	ļ	!	<u>*</u>		12.1000		- NW	.ii_
Sec 25 T 15S R 12E SLBM Sec 19 T 15S R 13E SLBM	*					2.6500	Í	¦;	*	<u> </u>		¦;	·	1 3.70001_
Sec 30 T 15S R 13E SLBM			22.2000	1 4.3000	<u></u>	¦	¦	¦;	* *_4.7000		12.1000	6.2000*		
*======================================			*=======			=======								GROUP
SUPPLEMENTAL GROUP NO.: 9 91-28 (CERT), 84 (CERT), 114 138 (WUC), 141 (CERT), 158 (CE 362 (WUC), 363 (DEC), 367 (WUC 372 (DEC)	513976. (WUC),118 (RT),360(F C),368(WUC	Water F (CERT), 1 DEC), 361 C), 369(W	Rights Ar 25(WUC) (DEC) UC) res	opurtenan	t to the	e followi	ng use(s): imit: 288				JSE: 04/0		•••
###PLACE OF USE:	*N	ORTH WE	ST QUART	ER*		NORTH EAS	ST QUARTE	ER*	·	SOUTH WES	T QUARTE	R*		 SOUTH EAST
Sec 10 T 15S R 13E SLBM	* NW	NE	SW	SE *	NW	NE	SW	SE *	NW	I NE	SW I	SE *	NW	I NE I
*======================================										' '.	'			GROUP
141 (CERT), 143 (CERT), 145 (C 159 (CERT), 178 (CERT), 360 (D 363 (DEC), 367 (WUC), 368 (WUC) IRRIGATION: Sole Supply ###PLACE OF USE: Sec 17 T 155 R 14E SLBM	EC), 361 (EC), 369 (WUC) : UNEVALU : NW	DEC),362 (),372(DE DATED actions of the contract of the contra	(WUC) EC) ces	Group Tot* ER* SE *	1	NORTH EAS	Div Li	SE *	52 acft	OUTH WES	QUARTE	SE *		 SOUTH EAST
Sec 18 T 15S R 14E SLBM	*1		<u>_</u>	*		·		*		5.2100	i	0.8000*		ii_
SUPPLEMENTAL GROUP NO.: 6 91-28 (CERT), 84 (CERT), 114 (137 (CERT), 141 (CERT), 158 (C 362 (WUC), 363 (DEC), 367 (WUC 372 (DEC)	13978. WUC),118(ERT),360(Water R CERT), 12 DEC), 361	ights Ap 2 <u>5(WUC)</u> L(DEC)	purtenant	to the	followin	ng use(s)	:	==== = :					GROUP
IRRIGATION: Sole Supply	: UNEVALU	ATED acr	res (Group Tot	al: 11.4	15	Div Li	mit: 45.	8 acft.	PERI	OD OF U	SE: 04/0:	1 TO 10	'31
###PLACE OF USE:	*N	ORTH WES	T QUARTE	ER*	N	ORTH EAS	T QUARTE	R*	5	OUTH WEST	OUARTE	R*.		OUTH FAST
Sec 02 T 15S R 13E SLBM	* NW	NE I	SW	SE *	NW I	NE	SW	SÉ *	NW	NE	SW	SE *	NW	NE
		'		·	'		'	*.		1-		*-		11.4500 GROUP
SUPPLEMENTAL GROUP NO.: 6 91-28 (CERT), 84 (CERT), 114 (140 (CERT), 141 (CERT), 142 (C 146 (WUC), 158 (CERT), 159 (CE 361 (DEC), 362 (WUC), 363 (DEC 369 (WUC), 372 (DEC)	13979. WUC),118(ERT),143(RT),178(C	Water R: CERT),12 CERT),14 ERT),360	ights App 5(WUC) 5(CERT) (DEC)	purtenant	to the	followin	ag use(s)	:						
IRRIGATION: Sole Supply	: UNEVALUE	ATED acr	es G	roup Tota	al: 149	02	Div Lo	nit. 582		. PERI			TO 10	
	<i></i> .							 .						
,	*N	NE	SW	SE *	NW	NE	SW (SE *	NW	NE	SW	SE *	NW	NE
Sec 01 T 15S R 13E SLBM Sec 02 T 15S R 13E SLBM	*			*		 !-		*1	۱9.4100۱ ا	26.3100	6.5600]	.5.9300*2 *	0.8800	8.6200 8 26
SUPPLEMENTAL GROUP NO.: 6 91-19(CERT), 28(CERT), 84(CI 120(CERT), 124(CERT), 125(WI 145(CERT), 146(WUC), 159(CEI 360(DEC), 361(DEC), 362(WUC) 368(WUC), 369(WUC), 372(DEC) DOMESTIC: Sole Supply: Domestic uses in Columbia,	13980 ERT), 114 (G JC), 141 (C RT), 159 (CF , 363 (DEC)	Water Ri MUC), 118 ERT), 143 ERT), 178 1, 367 (WU	ghts App (CERT) (CERT) (CERT) (CERT) C)	roup Tota	to the	followin	g use(s)	: nit: 76.4	 4 acft.	PERI	DD OF US	 E: 01/01	TO 12/	
SUPPLEMENTAL GROUP NO.: 6	13981.	Water Ri	ghts App	ourtenant	to the	followin	g use(s)	:				,		-

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91-28(CERT), 84(CERT), 114(WUC), 118(CERT), 125(WUC)
139(CERT), 140(CERT), 141(CERT), 142(CERT), 143(CERT)
145(CERT), 146(WUC), 158(CERT), 159(CERT), 178(CERT)
360(DEC), 361(DEC), 362(WUC), 363(DEC), 367(WUC)
   368 (WUC), 369 (WUC), 372 (DEC)
  DOMESTIC: Sole Supply: UNEVALUATED EDUS Group Total: 770.0000 Div Limit: 560.56 acft. PERIOD OF USE: 01/01 TO 12/31
   Sunnyside and East Carbon.
  SUPPLEMENTAL GROUP NO.: 613983. Water Rights Appurtenant to the following use(s): 91-19(CERT), 28(CERT), 84(CERT), 99(CERT), 114(WUC)
118(CERT), 125(WUC), 141(CERT), 143(CERT), 145(CERT)
146(WUC), 158(CERT), 159(CERT), 178(CERT), 332(UGWC)
360(DEC), 361(DEC), 362(WUC), 363(DEC), 367(WUC)
368(WUC), 369(WUC), 372(DEC)
     MINING:
                     DISTRICT: Columbia
                                                                           NAME: Columbia
                                                                                                                                                                    PERIOD OF USE: 01/01 TO 12/31
                            ORES: coal
                           Acre Feet Contributed by this Right for this Use: Unevaluated
  SUPPLEMENTAL GROUP NO.: \underline{613984}. Water Rights Appurtenant to the following use(s):
  91-28 (CERT), 84 (CERT), 114 (WUC), 118 (CERT), 125 (WUC)
141 (CERT), 143 (CERT), 145 (CERT), 158 (CERT), 159 (CERT)
360 (DEC), 361 (DEC), 362 (WUC), 363 (DEC), 367 (WUC)
  368 (WUC), 369 (WUC), 372 (DEC)
                 DISTRICT: Sunnyside
                                                                          NAME: Sunnyside
                           ORES: coal
                                                                                                                                                                    PERIOD OF USE: 01/01 TO 12/31
                           Acre Feet Contributed by this Right for this Use: Unevaluated
  SUPPLEMENTAL GROUP NO.: 613985. Water Rights Appurtenant to the following use(s):
 91-28 (CERT), 84 (CERT), 114 (WUC), 118 (CERT), 125 (WUC)
141 (CERT), 143 (CERT), 145 (CERT), 146 (WUC), 148 (CERT)
149 (CERT), 150 (CERT), 158 (CERT), 159 (CERT), 178 (CERT)
183 (CERT), 360 (DEC), 362 (WUC), 363 (DEC)
367 (WUC), 368 (WUC), 369 (WUC), 372 (DEC)
                 DISTRICT: Columbia
ORES: Coal
                                                                         NAME: Horse Canyon
                                                                                                                                                                    PERIOD OF USE: 01/01 TO 12/31
 Acre Feet Contributed by this Right for this Use: Unevaluated
Administratively changed on Feb 14, 2007, by deleting the Domestic entry for 800 persons, and
adding it to this Mining entry. The Mining was to employ and/or service the 800 persons.
    INDUSTRIAL: In conjunction with the coal mining occuring at Horse Canyon.

Acre Feet Contributed by this Right for this Use: Unevaluated
                                                                                                                                                                  PERIOD OF USE: 01/01 TO 12/31
 SUPPLEMENTAL GROUP NO.: 614007. Water Rights Appurtenant to the following use(s):
 91-28 (CERT), 84 (CERT), 114 (WUC), 118 (CERT), 125 (WUC)
141 (CERT), 146 (WUC), 158 (CERT), 360 (DEC), 361 (DEC)
362 (WUC), 363 (DEC), 367 (WUC), 368 (WUC), 369 (WUC)
   GROUP
                                              SUPPLEMENTAL GROUP NO.: 614158. Water Rights Appurtenant to the following use(s):
91-28 (CERT), 84 (CERT), 114 (WUC), 118 (CERT), 125 (WUC)
141 (CERT), 143 (CERT), 144 (CERT), 145 (CERT), 146 (WUC)
158 (CERT), 178 (CERT), 239 (APP), 360 (DEC), 361 (DEC)
362 (WUC), 363 (DEC), 367 (WUC), 368 (WUC), 369 (WUC)
   MUNICIPAL: Sunnyside
                                                                                                                                                                  PERIOD OF USE: 01/01 TO 12/31
                        Acre Feet Contributed by this Right for this Use: Unevaluated
SUPPLEMENTAL GROUP NO.: 614354. Water Rights Appurtenant to the following use(s): 91-28 (CERT), 84 (CERT), 114 (WUC), 125 (WUC), 231 (CERT) 362 (WUC), 367 (WUC), 369 (WUC), 369 (WUC)
IRRIGATION: Sole Supply: UNEVALUATED acres Group Total: 222.1
WUC 91-231 is limited to the irrigation requirements of 160.0 acres.
                                                                                                                      Div Limit: 0.0 acft.
                                                                                                                                                                 PERIOD OF USE: 04/01 TO 10/15
  INDUSTRIAL: Water uses related to coal mining.

Acre Feet Contributed by this Right for this Use: Unevaluated
                                                                                                                                                                  PERIOD OF USE: 01/01 TO 12/31
  -NORTH EAST QUARTER----*----SOUTH WEST QUARTER--
                                                                                                                  | SW
|X
                                                                                                                                                                                                       ---SOUTH EAST
                                                                                                                                                                               | SE * NW
|X *x
                                                                                                         NE
                                                                                                                                  SE * NW | NE
                                                                                                                                                                    SW
Sec 13 T 14S R 14E SLBM *X
Sec 17 T 14S R 14E SLBM *X
                                                    İX
                                                                                                                               ΙX
                                                                                                                                                        IX
Sec 18 T 14S R 14E SLBM *X
Sec 19 T 14S R 14E SLBM *X
                                                                             įχ
                                                                                                      ΙX
                                                                                                                                                                                                                       IX
Sec 20 T 14S R 14E SLBM *X
                                                                                                                  X|
                                                                                                                                           *X
*X

        Sec
        24
        T
        14S
        R
        14E
        SLBM
        *X

        Sec
        24
        T
        14S
        R
        14E
        SLBM
        *X

        Sec
        28
        T
        14S
        R
        14E
        SLBM
        *X

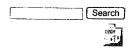
                                                                                                                                                                                                                       ١x
                                                                                                                                                                                                          ix
                                                                                                                                                                                                                       ΙX
                                                                ΙX
                                                                             1X
                                                                                                                                                                                 ΙX
                                                                                                                                                                                                                       ΙX
Sec 29 T 14S R 14E SLBM *X
```

Small Dam Required?: No

_	Sec 30 T	145 R	14E SLBM	*X	I X	IX	ix	*X	ıx	ıx	ıx	*x	x	1.0	100			
	Sec 31 T	145 R	14E SLBM	*X	X	X		*X		İX	X		IX	IX	IX IX			X
	Sec 32 T	14S R	14E SLBM	*X	X	1 X	İX	*X		IX	IX		IX	IX	IX	*X *X		X
	Sec 33 T	145 R	14E SLBM	*X	ΙX	IX	İX	*X		ix	ix		IX	•	IX	^X *X		ΙX
	Sec 34 T	14S R	14E SLBM	*X	1X	IX	IX	*X	X	X	ix	*X	Y	X	IV.	-^ *X		X
			13E SLBM		1	1	I	*	i	i	1 2.3000		1	1	10	- A	1 1	X
			13E SLBM		7.9000	120.5000	4.1000	*	i	ì——	1	*	`	¦	\ <u> </u>	*	¦'	!—
			13E SLBM		.1		1	*		İ		*		·i	3.5000	<u>, ——</u>	'	-2
			13E SLBM		129.6000	1	3.6000	*11.7000	31.8000	1.1000	i ——	*	i		1 3.3000	*	<u>'</u>	
			14E SLBM				ĮΧ	*X	1X	X	IX	*X	X	X	X	*X	X	x
			14E SLBM		X	IX	ΙX	*X	IX	ΙX	١X	*X	X			 *X		ΙX
			14E SLBM		l	J	!	*	i	1	1	*	i	i	i	*	î l	^
	Sec U6 T	15S R	14E SLBM	*	1	2.5000	114.3000	*	0.2000	3.4000	7.2000	*12.2000	9.3000	i —	3,7000	*24.2000	0.3000	16
																	GROU	
mı		- /01 -			 							=========						-
11	iis Right	C (91-3	362) has	an evalua	ted sole	-supply	total fo	r irriga	tion of (0.0000 a	cres.							
T)	is Diaht	 - /01 :	2621 64 4					*******										
	ito vidui	(91-3	362) is a	member o	I 15 sup	plementa	1 water	right gr	oups with	n irriga	ted acre	eage total	ling 158	3.4300 a	cres.			
	orage fr Height Area Ir	nundate	ed:	NW ES	usive, i RTH-WEST NE SW S : X: X:	8 1 E 1	Trail Ro	ST¥4 SE	with a r SOUTH-V NW NE S	VEST≒ SW SE	SOUT	of 916.0 CH-EAST4 JE SW SE	000 acre	-feet, le	ocated i	 1:		

Also included in application is George Christensen Decree, 11/7/1917. WUC 91-362 is limited to the irrigation requirements of 50.0 acres.





Select Related Information (WARNING: Water Rights makes NO claims as to the accuracy of this data.) RUN DATE: 01/26/2011 WATER RIGHT: 91-363 APPLICATION/CLAIM NO.: CERT. NO.: CHANGES: a1688 __Certificate a314 (Issued: a2685 _Certificate a530 (Issued: a4249 ___Certificate a530 (Issued:) NAME: East Carbon City (Public Water Supplier) ADDR: P.O. Box 70 East Carbon UT 84520 LAND OWNED BY APPLICANT? COUNTY TAX ID#: FILED: |PRIORITY: 00/00/1878|PUB BEGAN: | PUB ENDED: | NEWSPAPER: ProtestEnd: PROTESTED: [No) | HEARNG HLD: ISE ACTION: [liActionDate: | PROOF DUE: EXTENSION: |ELEC/PROOF:[lielec/proof: |CERT/WUC: 03/25/1971|LAP, ETC: |LAPS LETTER: RUSH LETTR . | RENOVATE: IRECON REQ: |TYPE: [PD BOOK: [91-5] | MAP: [58c] | PUB
*TYPE -- DOCUMENT -- STATUS-----] | PUB DATE: Type of Right: Decree Source of Info: Proposed Determination Status: FLOW: 1.5 cfs SOURCE: Grassy Trail Creek COUNTY: Carbon COMMON DESCRIPTION: POINTS OF DIVERSION -- SURFACE: (1) S 2824 ft W 1166 ft from N4 cor, Sec 07, T 14S, R 14E, SLBM Diverting Works: S 1163 ft W 644 ft from NE cor, Sec 19, T 145, R 14E, SLBM Source: Diverting Works: Source: N 1521 ft W 1983 ft from SE cor, Sec 29, T 14S, R 14E, SLBM Source: S 1013 ft E 125 ft from W4 cor, Sec 01, T 15S, R 13E, SLBM Diverting Works: Source: (5) N 1604 ft E 1245 ft from SW cor, Sec 02, T 15S, R 13E, SLBM Diverting Works:
(6) N 750 ft W 1345 ft from SE cor, Sec 03, T 15S, R 13E, SLBM Source: Diverting Works: Source: 566 ft E 4323 ft from NW cor, Sec 09, T 158, R 13E, SLBM Diverting Works: Source: (8) S 1149 ft E 1320 ft from NW cor, Sec 09, T 15S, R 13E, SLBM Diverting Works: Source: (9) N 91 ft E 2390 ft from W4 cor, Sec 06, T 15S, R 14E, SLBM Diverting Works: Source: Stream Alt Required?: No USES OF WATER RIGHT******* ELU -- Equivalent Livestock Unit (cow, horse, etc.) ******* EDU -- Equivalent Domestic Unit or 1 Family





(WARNING: Water Rights r WATER RIGHT: 91-367 APPLICATION/C CHANGES: a3172 Certificate a524 (Is:	LAIM NO.: 0 sued:)	CERT. NO.:							
OWNERSHIP*************************	***********	******		Andreas de la la la la la la la la la la la la la					
NAME: Sunnyside City (Public Water Supp: ADDR: P.O. Box 69 Sunnyside UT 84539 INTEREST: 1008 REMARKS:	lier)								
DATES, ETC.**********************	*************	**********	*****	*********	alle alle alle alle alle alle alle alle				
LAND OWNED BY APPLICANT? FILED: PRIORITY: / // ProtestEnd: PROTESTED: No EXTENSION: ELEC/PROOF: RUSH LETTR: RENOVATE: PD BOOK: [91-5 MAP: 58c FTYPE DOCUMENT STATUS		**********			=======		***		
Type of Right: Decree									
OCATION OF WATER RIGHT *** (Points of Div	rersion: Click on Lo	cation to acc	ace DIAT Drog	\ \ + + + + + + .	**********	TTTTT	an		
FLOW: 0.875 cfs		Grassy Trail							
(1) S 2824 ft W 1166 ft from N4 cor, Sec Diverting Works: (2) S 1163 ft W 644 ft from NE cor, Sec Diverting Works: (3) N 1521 ft W 1983 ft from SE cor, Sec Diverting Works: (4) S 1013 ft E 125 ft from W4 cor, Sec Diverting Works: (5) N 1604 ft E 1245 ft from SW cor, Sec Diverting Works: (6) N 750 ft W 1345 ft from SE cor, Sec Diverting Works: (7) S 566 ft E 4323 ft from NW cor, Sec Diverting Works: (8) S 1149 ft E 1320 ft from NW cor, Sec Diverting Works: (9) N 91 ft E 2390 ft from W4 cor, Sec Diverting Works: (1) S 1549 ft F 1320 ft from W4 cor, Sec Diverting Works: (2) N 91 ft E 2390 ft from W4 cor, Sec Diverting Works: (3) S 149 ft E 1320 ft from W4 cor, Sec Diverting Works: (4) S 1149 ft E 1320 ft from W4 cor, Sec Diverting Works: (5) N 91 ft E 2390 ft from W4 cor, Sec Diverting Works: (6) N 91 ft E 2390 ft from W4 cor, Sec Diverting Works: (7) S 566 ft E 4323 ft from W4 cor, Sec Diverting Works: (8) S 1149 ft E 1320 ft from W4 cor, Sec Diverting Works: (9) N 91 ft E 2390 ft from W4 cor, Sec Diverting Works: (1) S 566 ft E 4323 ft from W4 cor, Sec Diverting Works: (1) S 566 ft E 4323 ft from NW cor, Sec Diverting Works: (1) S 566 ft E 4323 ft from NW cor, Sec Diverting Works: (2) S 566 ft E 4323 ft from NW cor, Sec Diverting Works: (3) N 91 ft E 2390 ft from W4 cor, Sec Diverting Works: (4) S 566 ft E 4323 ft from NW cor, Sec Diverting Works: (5) N 91 ft E 2390 ft from NW cor, Sec Diverting Works: (6) N 91 ft E 2390 ft from NW cor, Sec Diverting Works: (8) S 1149 ft E 1320 ft from NW cor, Sec Diverting Works: (9) N 91 ft E 2390 ft from NW cor, Sec Diverting Works: (1) N 91 ft E 2390 ft from NW cor, Sec Diverting Works: (1) N 91 ft E 2390 ft from NW cor, Sec Diverting Works: (1) N 91 ft E 2390 ft from NW cor, Sec Diverting Works: (1) N 91 ft E 2390 ft from NW cor, Sec Diverting Works: (1) N 91 ft E 2390 ft from NW cor, Sec Diverting Works: (2) N 91 ft E 2390 ft from NW cor, Sec Diverting Works: (3) N 91 ft E 2390 ft from NW cor, Sec Diverting Works: (4) N 91 ft E 2390 ft from NW cor, Sec Diverting Works: (5)	: 18, T 14S, R 14E, : 29, T 14S, R 14E, : 01, T 15S, R 13E, : 02, T 15S, R 13E, : 03, T 15S, R 13E, : 09, T 15S, R 13E, 09, T 15S, R 13E, 06, T 15S, R 14E, alent Livestock Unit Rights Appurtenant 18 (CERT) 1 (DEC)	SLBM SLBM SLBM SLBM SLBM SLBM SLBM SLBM	etc.) *****	44 DOG T					
IRRIGATION: Sole Supply: UNEVALUATED adater User's Claim No. 100 is limited to	cres Group Total the irrigation requ	l: 66.5 uirements of 6	Div Limit: .54 acres.	266.0 acft	. PEI				
* NW NE Sec 03 T 15S R 13E SLBM *	SW SE *	NW NE							
5ec 10 T 15s R 13E SLBM * 30.0000		5.5000	11	*	'		i	*	i
JPPLEMENTAL GROUP NO.: 613974. Water L-28 (CERT), 84 (CERT), 114 (WUC), 118 (CERT), 114 (CERT), 361 (CERT), 369 (DEC), 361 (DEC), 362 (WUC), 369 (WUC), 372 (I	Rights Appurtenant t L <u>25(WUC)</u> 2(WUC) DEC)	to the follow	ng use(s):			: # E # = = # = #		302 B troe	GR(==== =
IRRIGATION: Sole Supply: UNEVALUATED ac	res Group Total			3729.6 acft		IOD OF t	 JSE: 04/	01 TO 10,	 /31
. "NW ! NE	CST QUARTER* SW SE * 1	NORTH EA	ST QUARTER	*	SOUTH WES	T QUARTE		*	
ec 24 T 15S R 12E SLBM * lec 02 T 15S R 13E SLBM * lec 03 T 15S R 13E SLBM *	*	10.1000			1			* *21.9500	i
Sec 07 T 15S R 13E SLBM *	·!*		II	_*'				*38.3000	

Sec 08 T 155 R 13E SLB Sec 10 T 155 R 13E SLB Sec 11 T 155 R 13E SLB Sec 17 T 155 R 13E SLB	M * 8.0000	39.600 	0.200	0 10.1000	0*20.950 0**	0 34.5000	31.0000 3.2000	11.900	0*40.000	00 40.0000	140.000	0 40.000	0* 4.550 *	00	_
Sec 18 T 15S R 13E SLB Sec 19 T 15S R 13E SLB	M * M *31.9000	i		0 8.9000	* 40.000 *	0 40.0000	<u> </u>	40.000	*	14.8000	7.700	0 12.000	* *	_] - -
Sec 24 T 15S R 13E SLB Sec 06 T 15S R 14E SLB	м *	<u> </u>	_	_	*	10.1000	i	6.600	*11.280				*		
SUPPLEMENTAL GROUP NO.: 91-28 (CERT), 37 (CERT), 84 (125 (WUC), 141 (CERT), 158 (362 (WUC), 363 (DEC), 367 (W) 372 (DEC)	613975. (CERT), 114 CERT), 360 (Water (WUC),1 DEC),36	Rights A .18 (CERT) :1 (DEC)	====	nt to th	e follow:	====== ing use(s	=======	**=====	######################################		F=== 3 ===		GRO	UI
IRRIGATION: Sole Supp.	TA: ONEAW	UATED a	cres	Group To	tal: 102	2.85	Div L	imit: 41	1.4 acf	t. PE			/01 TO 1		
Sec 19 T 155 R 12E SLBR Sec 24 T 155 R 12E SLBR	M *	NE	I SW	SE	* NW *	NE I	ST QUARTE SW 	SE	* NW	-SOUTH WE	ST QUART SW 12.1000	SE	* NW *	-SOUTH EA NE 	ST
Sec 25 T 15S R 12E SLB Sec 19 T 15S R 13E SLB	*	İ		-	*	2.6500			*		12.1000		*	3.7000	Ë
Sec 30 T 155 R 13E SLB	-		_	4.3000		i			* 4.700	011		6.200	*	GRO	_ _ UP
SUPPLEMENTAL GROUP NO.: 91-28 (CERT), 84 (CERT), 114 138 (WUC), 141 (CERT), 158 (C 362 (WUC), 363 (DEC), 367 (WU 372 (DEC)) IRRIGATION: Sole Suppl	613976. 4 (WUC), 118 CERT), 360 (U JC), 368 (WU	Water (CERT), DEC),36 C),369(I	Rights Ap 125 (WUC) 1 (DEC) WUC)	ppurtenan	t to the	e followi	ng use(s						01 TO 10		
WHAT IACE OF USE:	* NW		ST QUART	ER	* NW	NORTH EAS	T QUARTE	R	* * NW		T QUART	ER	* NW	SOUTH EAS	T
Sec 10 T 15S R 13E SLBM	·	'	-'	119.0000	·		30.20001	23.0000	*	.		I	*	GROU	ΙP
SOFTEMENTAL GROUP NO.: 91-28 (CERT), 94 (CERT), 144 141 (CERT), 143 (CERT), 145 159 (CERT), 178 (CERT), 360 (MU 363 (DEC), 367 (MUC), 368 (MU IRRIGATION: Sole Suppl	613977. (WUC), 118 CERT), 146 DEC), 361 (I C), 369 (WUC)	Water (CERT), 1 (WUC), 15 (DEC), 362 (DEC), 372 (DEC), 372 (DEC)	Rights Ap 125(WUC) 58(CERT) 2(WUC) DEC)	Opurtenan	t to the	followi	ng use(s)	;						 /31	
###PLACE OF USE:	* NW	IORTH WE	ST QUART	ER*	<u></u> 1	NORTH EAS	T QUARTER	R+			T OHARTE	· · · · · · · ·			
Sec 17 T 15S R 14E SLBM Sec 18 T 15S R 14E SLBM	*1		!	*				*	3.8000	5.2100	5.8200	0.8000	·	NE	_
**************************************	<u>613978.</u> (WUC), <u>118(</u> CERT),360(Water F CERT),1 DEC),36	Rights Ap 25(WUC) 1(DEC)	purtenant	t to the	followir	g use(s)	:				*******		GROU	P ==
IRRIGATION: Sole Supply				Group Tot				nit: 45.					1 TO 10/		
###PLACE OF USE: Sec 02 T 15S R 13E SLBM	* NW	OKIR WE	ST QUARTE	.K	N	ORTH EAS	C QUARTER	SE *		SOUTH WEST	QUARTE	R*	S	OUTH EAS	r
*======================================	·		· ·	*.				*				*	i	11.4500	<u>-</u>
SUPPLEMENTAL GROUP NO.: 4 91-28 (CERT), 84 (CERT), 114 140 (CERT), 141 (CERT), 142 (C 146 (WUC), 158 (CERT), 159 (CE 361 (DEC), 362 (WUC), 363 (DEC 369 (WUC), 372 (DEC)	(WUC), 118 (CERT), 143 (CERT), 178 (CERT)	Water R CERT), <u>1:</u> CERT),1:	ights App 25(WUC) 45(CERT) O(DEC)	purtenant	to the	followin	g use(s):	!							-
IRRIGATION: Sole Supply	. ONE VALUE	ried aci	. = 5	LOUD LOUS	al: 149.	U2	Div Lim	i+ 582	56 acft	יו מיזו ו	OD OB 111	 E: 04/0		 31	
###PLACE OF USE:	N(DRTH WES	ST QUARTE	R*-	N(ORTH EAST	OUARTER-	*-		OUTH WEST	OUTOTO				,
Sec 01 T 15S R 13E SLBM Sec 02 T 15S R 13E SLBM	*			**		NE	SW	SE * *	NW 9.4100	NE 26.3100	SW 6.5600]	SE * .5.9300*:	NW 20.8800	NE 8.6200	
*** SUPPLEMENTAL GROUP NO.: 6 91-19 (CERT), 28 (CERT), 84 (C 120 (CERT), 124 (CERT), 125 (CERT), 126 (WUC), 158 (CERT), 146 (WUC), 158 (CERT), 161 (WUC), 362 (WUC), 368 (WUC), 369 (WUC), 372 (DEC	ERT), 114 (W UC), 141 (CE RT), 159 (CE), 363 (DEC)	Water Ri (UC),118 (RT),143 (RT),178	ights App (CERT) (CERT)	essesses ourtenant	to the	following	======================================								=

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91-28 (CERT), 84 (CERT), 114 (WUC), 118 (CERT), 125 (WUC)
139 (CERT), 140 (CERT), 141 (CERT), 142 (CERT), 143 (CERT)
145 (CERT), 146 (WUC), 158 (CERT), 159 (CERT), 178 (CERT)
  360 (DEC), 361 (DEC), 362 (WUC), 363 (DEC), 367 (WUC)
  368 (WUC), 369 (WUC), 372 (DEC)
                     Sole Supply: UNEVALUATED EDUS Group Total: 770.0000 Div Limit: 560.56 acft. PERIOD OF USE: 01/01 TO 12/31
  Flow for domestic is part of flow for irrigation. Domestic use at unincorporated areas at
  Sunnyside and East Carbon.
  SUPPLEMENTAL GROUP NO.: 613983. Water Rights Appurtenant to the following use(s):
 91-19 (CERT), 28 (CERT), 84 (CERT), 99 (CERT), 114 (WUC), 118 (CERT), 125 (WUC), 141 (CERT), 143 (CERT), 145 (CERT), 146 (WUC), 158 (CERT), 159 (CERT), 178 (CERT), 332 (UGWC), 360 (DEC), 361 (DEC), 362 (WUC), 363 (DEC), 367 (WUC), 368 (WUC), 369 (WUC), 372 (DEC)
    MINING: DISTRICT: Columbia
                                                                        NAME: Columbia
                                                                                                                                                              PERIOD OF USE: 01/01 TO 12/31
                          ORES: coal
                         Acre Feet Contributed by this Right for this Use: Unevaluated
 SUPPLEMENTAL GROUP NO.: 613984. Water Rights Appurtenant to the following use(s):
 50FLEMENTAL GROUP NO.: 913391. WALER RIGHTS AP
91-28 (CERT), 84 (CERT), 114 (WUC), 118 (CERT), 125 (WUC)
141 (CERT), 143 (CERT), 145 (CERT), 158 (CERT), 159 (CERT)
360 (DEC), 361 (DEC), 362 (WUC), 363 (DEC), 367 (WUC)
368 (WUC), 369 (WUC), 372 (DEC)
                    DISTRICT: Sunnyside
    MINING:
                                                                      NAME: Sunnvside
                                                                                                                                                             PERIOD OF USE: 01/01 TO 12/31
                          ORES: coal
                         Acre Feet Contributed by this Right for this Use: Unevaluated
 SUPPLEMENTAL GROUP NO.: 613985. Water Rights A 91-28 (CERT), 84 (CERT), 114 (WUC), 118 (CERT), 125 (WUC) 141 (CERT), 143 (CERT), 145 (CERT), 146 (WUC), 148 (CERT), 149 (CERT), 149 (CERT), 149 (CERT), 149 (CERT), 149 (CERT)
                                                   Water Rights Appurtenant to the following use(s):
 149 (CERT), 150 (CERT), 158 (CERT), 159 (CERT), 178 (CERT)

183 (CERT), 360 (DEC), 361 (DEC), 362 (MUC), 363 (DEC)

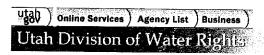
367 (MUC), 368 (MUC), 369 (MUC), 372 (DEC)
   MINING: DISTRICT: Columbia
                                                                      NAME: Horse Canyon
                                                                                                                                                             PERIOD OF USE: 01/01 TO 12/31
                         ORES: Coal
Acre Feet Contributed by this Right for this Use: Unevaluated Administratively changed on Feb 14, 2007, by deleting the Domestic entry for 800 persons, and adding it to this Mining entry. The Mining was to employ and/or service the 800 persons.
   INDUSTRIAL: In conjunction with the coal mining occuring at Horse Canyon.

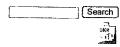
Acre Feet Contributed by this Right for this Use: Unevaluated
                                                                                                                                                           PERIOD OF USE: 01/01 TO 12/31
                           **===============
SUPPLEMENTAL GROUP NO.: 614007. Water Rights Appurtenant to the following use(s): 91-28(CERT), 84(CERT), 114(WUC), 118(CERT), 125(WUC) 141(CERT), 146(WUC), 158(CERT), 360(DEC), 361(DEC) 362(WUC), 363(DEC), 367(WUC), 368(WUC), 369(WUC)
  -SOUTH EAST
                                     * NW | NE | SW | SE * NW | NE | SW | SE * NW
                                                                                                                                      * NW | NE | SW | SE * NW
_*11.2800|____| *
                                                                                                                                                                                                   | NE
                                                                                                                                                                                                           GROUP
                                                                  SUPPLEMENTAL GROUP NO.: \underline{614158}. Water Rights Appurtenant to the following use(s):
91-28 (CERT), 84 (CERT), 114 (WUC), 118 (CERT), 125 (WUC)
141 (CERT), 143 (CERT), 144 (CERT), 145 (CERT), 146 (WUC)
158 (CERT), 178 (CERT), 239 (APP), 360 (DEC), 361 (DEC)
362 (WUC), 363 (DEC), 367 (WUC), 368 (WUC), 369 (WUC)
  MUNICIPAL: Sunnyside
                                                                                                                                                           PERIOD OF USE: 01/01 TO 12/31
                       Acre Feet Contributed by this Right for this Use: Unevaluated
SUPPLEMENTAL GROUP NO.: \underline{614354}. Water Rights Appurtenant to the following use(s): \underline{91-28\,(\text{CERT})}, \underline{84\,(\text{CERT})}, \underline{114\,(\text{WUC})}, \underline{125\,(\text{WUC})}, \underline{231\,(\text{CERT})} \underline{362\,(\text{WUC})}, \underline{369\,(\text{WUC})}, \underline{369\,(\text{WUC})}, \underline{369\,(\text{WUC})}
  IRRIGATION: Sole Supply: UNEVALUATED acres Group Total: 222.1
                                                                                                                Div Limit: 0.0 acft.
                                                                                                                                                           PERIOD OF USE: 04/01 TO 10/15
WUC 91-231 is limited to the irrigation requirements of 160.0 acres.
                  INDUSTRIAL: Water uses related to coal mining.

Acre Feet Contributed by this Right for this Use: Unevaluated
                                                                                                                                                           PERIOD OF USE: 01/01 TO 12/31
  | SE * NW
                                                                                                                                            ----SOUTH WEST QUARTER----*---SOUTH EAST
                                                                                                                                                  | NE
|X
                                                                                                    NE | SW |
                                                                                                                                                                                                      NE
Sec 13 T 14S R 14E SLBM *X
Sec 17 T 14S R 14E SLBM *X
Sec 18 T 14S R 14E SLBM *X
Sec 19 T 14S R 14E SLBM *X
Sec 19 T 14S R 14E SLBM *X
                                                 IX
IX
                                                                          ix
                                                                                                  ١x
                                                                                                                                                                                                              įΧ
                                                                                                  łΧ
                                                             ΙX
Sec 20 T 14S R 14E SLBM *X
Sec 21 T 14S R 14E SLBM *X
                                                                                                                                                  IX
X
                                                                                                  IX
                                                                                                                                                                                                              įχ
                                                            |X
                                                                         IX
X
                                                                                                                          įχ
                                                                                                                                                                          IX
                                                                                                                                                                                                              ١x
Sec 24 T 14S R 14E SLBM *X
Sec 28 T 14S R 14E SLBM *X
                                                                                                  IΧ
                                                                                                                                                                                                              ١X
Sec 29 T 14S R 14E SLBM *X
```

Sec 30 T 145 R 14E SLBM	*X	IX	IX	(X	*X	1X	1 X	ΙX	*X	1x	117				
Sec 31 T 14S R 14E SLBM	*X		IX				IX		*X	IX	IX			X	12
Sec 32 T 14S R 14E SLBM		X	İX	İX	*X	•	ix		*X	X	IX			X	13
Sec 33 T 14S R 14E SLBM		X	X	İX	*X	•	IX	1	*X	IX	1			X	13
Sec 34 T 14S R 14E SLBM		IX	x		*X	IX	1X		*X	IX	IX			X	12
Sec 01 T 15S R 13E SLBM		i	i	i	*	1		1 2.3000		1^	i A	İX	*X	IX	12
Sec 02 T 15S R 13E SLBM	* 3.5000	7.9000	120.5000	4,1000	*	i		1 2.5000	,	-:	ļ	-!	<u>*</u>	!	_!.
Sec 03 T 15S R 13E SLBM		F	l	i	*	`	·	¦	*	-¦	!	7 5000	*	ļ	_!-
Sec 10 T 15S R 13E SLBM		129.6000	i	1 3,6000	*11.7000	31.8000	1 1000	·¦	-	·!	!	3.5000	<u>*</u>	!	_!
Sec 03 T 155 R 14E SLBM	*X	IX	X					·	*X	- X	X	!	* 		_!_
Sec 04 T 15S R 14E SLBM	*X	IX			*X			1	*X	IX			*X	X	15
Sec 05 T 15S R 14E SLBM		l	1	1	*	i	1	i	*	1^	i x	İX	*X	(X	()
Sec 06 T 155 R 14E SLBM	*		2.5000	14.3000	*	0.2000	3.4000	7 2000	*12 2000	9,3000	!	!			_!_
								,	12.2000	9.3000	·——	1 3.7000	*24.2000		
														GR	OUE
This Right (91-367) has a	ın evalua	ted sole	-supply	total for	r irriga	tion of	0.0000 a	cres.						-22	
												======			
This Right (91-367) is a	member o	f 15 sup	plementa:	l water :	right gr	oups with	n irriga	ted acre	age tota	ling 158	3.4300 a	cres			
Storage from 01/01 to 12/	31, incl	usive, i	n Grassy	Trail Re	eservoir	with a n	maximum d	capacity	of 916.	000 acre	feet. 1	ocated in	n •		
mergine or bam.	65 140.	WIU-ME21.	9 [NORTH-EAS	5T%	SOUTH-	NEST≒	SOUT	H~EAST⅓		,				
	NM			NW NE SW		NW NE	SW SE	NW N	E SW SE						
Sec 01 T 14S R 14E SLBM	*	: : :	* *	: : :	*	* X: X:	: *	* :	: : *						
Small Dam Required?: No															
	WEE33355														
OTHER COMMENTS********	*****	******	******	*******	******	******	******	******	*****	*****	******	*****	******	**	
Also included in cla					********										

Also included in claim is George Christensen Decree 11/7/1917. WUC 91-367 is limited to the annual diversion of 200.00 acre feet.





	ificate a ificate a	522 (Issu	ed:)		CERT.									
MMPKOUTherererereres	******	******	*****	******	*****	*******	*****	*****					*****	*****
AME: East Carbon City DDR: 200 East Park Pla East Carbon UT 84 NTEREST: 50% RE	(Public W				7664778					6 S & G & B B B			=70044	
AME: Sunnyside City (P DDR: P.O. Box 69 Sunnyside UT 8453 NTEREST: 50% RE	9 MARKS:													
ATES, ETC.********	*******	******	*****	****	*******	*****	*****	*****						 *****
rotestEnd: P KTENSION: E JSH LETTR: R	PRIORITY: PROTESTED: LEC/PROOF: ENOVATE: AP: [58c]	/ /188 [No :[COUNT B PUB B HEARI HELECA RECON	FY TAX : BEGAN: NG HLD: PROOF: NEQ:	ID#:	PUB ENT SE ACT CERT/WI TYPE;	DED: ION: [UC: 10/] 28/1970]	NEWSPAPI ActionDa LAP, ETC	ER: ate: C:	PR LA	OOF DUE: PS LETTER	₹:	
/pe of Right: Decree			Sou	irce of	Info: Pr	oncead D	otormina	+ i	C4-1					
OCATION OF WATER RIGHT	*** (Points	s of Diver	sion: 0	Click or	Locatio	n to acco	200 DI AT	Brogram			D 1777777	mm		
LOW: 0.625 cfs DUNTY: Carbon CO	MMON DESCR			SOURC	E: Grass	y Trail (Creek		7244265A					IOUCAS
DINTS OF DIVERSION () S 2824 ft W 1166 ft Diverting Works: () S 1163 ft W 644 ft Diverting Works: () S 1163 ft W 644 ft Diverting Works: () N 1521 ft W 1983 ft Diverting Works: () N 1604 ft E 125 ft Diverting Works: () N 150 ft W 1345 ft Diverting Works: () N 750 ft W 1345 ft Diverting Works: () S 566 ft E 4323 ft Diverting Works: () S 1149 ft E 1320 ft Diverting Works: () N 191 ft E 2390 ft Diverting Works: () N 91 ft E 2390 ft Diverting Works: () N 91 ft E 2390 ft Diverting Works: () N 91 ft E 2390 ft Diverting Works: () N 91 ft E 2390 ft Diverting Works: () N 91 ft E 2390 ft Diverting Works: () N 91 ft E 2390 ft Diverting Works: () N 91 ft E 2390 ft Diverting Works: () N 91 ft E 2390 ft Diverting Works: () N 91 ft E 2390 ft Diverting Works: () N 91 ft E 2390 ft Diverting Works: () N 91 ft E 2390 ft Diverting Works: () N 91 ft E 2390 ft Diverting Works: () N 91 ft E 2390 ft Diverting Works: () N 91 ft E 2390 ft Diverting Works: () N 91 ft E 2390 ft Diverting Works: () N 93 ft W 1345 ft Diverting Works: () N 150	from N4 c from SE c from SW c from SW c from SW c from NW c from NW c from W4 c from W4 c from W4 c 613926.	cor, Sec 1 cor, Sec 2 cor, Sec 0 cor, Sec 0 cor, Sec 0 cor, Sec 0 cor, Sec 0 cor, Sec 0 cor, Sec 0 cor, Sec 0 cor, Sec 0 cor, Sec 0 cor, Sec 0 cor, Sec 0	8, T 14 9, T 14 1, T 15 2, T 15 3, T 15 9, T 15 6, T 15 ent Liv ghts Ap(CERT)	S, R 14 S, R 13 S, R 13 S, R 13 S, R 13 S, R 13 S, R 13 S, R 14	E, SLBM E, SLBM E, SLBM E, SLBM E, SLBM E, SLBM E, SLBM E, SLBM E, SLBM	, horse,	etc.)	2: 2: 2: 2: 2: 2: 2: 4: 4: 4: 4: 4: 4: 4: 4: 4: 4: 4: 4: 4:	TIDIT .					
2(DEC) IRRIGATION: Sole Suppl ter User's Claim No. 1	00 is lim	ited to th	e irriq	gation i		nts of 6	.54 acre	s.	66.0 acft			USE: 06/1)9/15
###PLACE OF USE:	- NW	NORTH WEST	QUARTE SW	ER SE	* NW		ST QUARI SW	ER SE				ER*		-SOUTH
ec 03 T 15S R 13E SLBM ec 10 T 15S R 13E SLBM		30.0000			* *36.5000	<u> </u>	l	!	*			<u> </u> *		-¦
		Water Die	thts Apr	purtena	nt to the	followi	ng use(s):						
PPLEMENTAL GROUP NO.: -28 (CERT), 84 (CERT), 114 (CERT), 158 (CERT), 360 (8 (DEC), 367 (WUC), 368 (WUC)	(WUC),118 (DEC),361(I	(CERT), 125 DEC), 362 (W	(WUC) UC)											
-28 (CERT), 84 (CERT), 114 L (CERT), 158 (CERT), 360 (1	(WUC),118 (DEC),361(I C),369(WUC	(CERT), 125 DEC), 362 (W C), 372 (DEC	(WUC) UC))		tal: 932				 129.6 acf			 JSE: 04/0		

	* NW	l NE	SW	i se	* NW	NE	l SW						
Sec 24 T 15S R 12E SLBM Sec 02 T 15S R 13E SLBM	*	<u> </u>	ļ			10.1000		6.6000	*	_ [1	SE * NW *	1 1
Sec 03 T 15S R 13E SLBM Sec 07 T 15S R 13E SLBM	*				* 		<u> </u>	<u> </u>	*12.300 *	0 14.0800 _	23.8300 	34.2900*21.9 *	7.4000
Sec 08 T 15S R 13E SLBM	*	39.6000		2.5000		<u> </u>	31.0000	111.9000	* *40.000	0 40.0000	140.0000	*38.3 40.0000* 4.5	000 39.5000 40
Sec 10 T 15S R 13E SLBM Sec 11 T 15S R 13E SLBM	*14.3000		1 0.2000 1	10.1000 	*	34.5000	1 3.2000 I	·	*	-	!	<u>*</u>	
Sec 17 T 15S R 13E SLBM Sec 18 T 15S R 13E SLBM	*	\	40.0000 31.5000		*40.0000	1	i	10.0000	*	-		<u> </u>	
Sec 19 T 15S R 13E SLBM Sec 24 T 15S R 13E SLBM	*31.9000	<u> </u>			*	i:		40.0000	*	_ 14.8000 _	1 7.7000 I	12.0000*	_
Sec 06 T 15S R 14E SLBM				<u> </u>	*	10.1000 		6.6000°	* *11.2800	<u>-</u>	ļ	*	
*======================================												**********	GROUP
SUPPLEMENTAL GROUP NO.: 91-28 (CERT), 37 (CERT), 84 (613975.	Water R	ights Ap	purtenan	t to the	followi	ng use(s	s):					
125 (WUC), 141 (CERT), 158 (CI 362 (WUC), 363 (DEC), 367 (WUC)	ERT), 360 (DEC), 361	(DEC)										
372 (DEC)	5 <u>7.</u> 7. <u>500 (110.</u>	<u>01, 202(M</u>	007										
TDDTCSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSS													
IRRIGATION: Sole Supply				Group Tot				imit: 411				JSE: 04/01 TO	
###PLACE OF USE:	* NW	NORTH WES	ST QUARTE	ER*	,1	WORTH EAS	T QUARTE	ER*	NW	SOUTH WES	T QUARTE	CR*	SOUTH EAST
Sec 19 T 15S R 12E SLBM Sec 24 T 15S R 12E SLBM	*				·		!	*	NW		SW 12.1000		NE
Sec 25 T 15S R 12E SLBM Sec 19 T 15S R 13E SLBM	*					2.6500	'	<u> </u>				*	3.7000
Sec 30 T 15S R 13E SLBM			22.2000	4.3000*	<u>-</u>		¦	¦*	4.7000	<u> </u>	12.1000	* 6.2000*	
*======================================				*****						·			GROUP
SUPPLEMENTAL GROUP NO.: 6 91-28 (CERT), 84 (CERT), 114 (13976.	Water R	ights Apr	purtenant	t to the	followir	ng use(s)):					
138 (WUC), 141 (CERT), 158 (CE 362 (WUC), 363 (DEC), 367 (WUC	RT), 360 (I	DEC), 361	(DEC)										
372 (DEC)	.) , <u>368 (WUC</u>	.) , <u>369 (W</u> L	JC)										
IRRIGATION: Sole Supply	: UNEVALU	ATED acr						mit: 288		PER		SE: 04/01 TO	10/31
###PLACE OF USE:	*N	ORTH WES	T QUARTE	:R*	N	ORTH EAS'	T QUARTE	R*		SOUTH WES	T OURDER	R	SOUTH EAST
Sec 10 T 15S R 13E SLBM				19.0000*	I	:	SW 30.2000	SE * 23.0000*	NW	NE	SW I	SE * NW	NE
*======================================	=======		=======						******				GROUP
SUPPLEMENTAL GROUP NO.: 6 91-28 (CERT), 84 (CERT), 114 (<u>13977.</u>	Water Ri	ights App	ourtenant	to the	followin	g use(s)	:					
141 (CERT), 143 (CERT), 145 (C 159 (CERT), 178 (CERT), 360 (D	ERT).146(WUC), 158	(CERT)										
363 (DEC), 367 (WUC), 368 (WUC), 369 (WUC	372 (DE	<u>woc)</u> C)										
IRRIGATION: Sole Supply				roup Tota				mit: 62.5				SE: 04/01 TO	
###PLACE OF USE:	*N * NW	ORTH WES	T QUARTEI	R* SE *	NW I	ORTH EAST	QUARTE	R*-	S	OUTH WEST	QUARTE	₹*	SOUTH EAST
Sec 17 T 15S R 14E SLBM Sec 18 T 15S R 14E SLBM	<u>*</u> !						!-	*	3.80001	1	5.82001	SE * NW **	NE !!
	'	'	·		 '-			*		5.2100	!	0.8000*	GROUP
SUPPLEMENTAL GROUP NO.: 6	13978	Water Di	abte Ann	urtenant	to the	following	use(s)	 :		*******			
91-28 (CERT), 84 (CERT), 114 (I 137 (CERT), 141 (CERT), 158 (CI	NUC), 118 (<u>CERT), 12.</u>	5 (WUC)										
362 (WUC), 363 (DEC), 367 (WUC) 372 (DEC)	, 368 (WUC), <u>369 (WU</u>	<u>C)</u>										
IRRIGATION: Sole Supply:	ONEVALUA	ATED acre	es Gr	roup Tota	11: 11.45	5	Div Lim	nit: 45.8	acft.	PERT	OD OF US	E: 04/01 TO 1	0/31
###PLACE OF USE:	NO	ORTH WEST		<i>.</i>								*	
Sec 02 T 15S R 13E SLBM *	TAM	NE	SW	SE *	NW	NE	SW	`SE *	NM I			SE * NW	NE
			'_		'	'_	'-	····································	'			*	_ 11.4500 GROUP
SUPPLEMENTAL GROUP NO.: 63	13979.	Water Ri	ghts Appı	urtenant	to the	following	use(s):	:				=======================================	*********
91-28 (CERT), 84 (CERT), 114 (M 140 (CERT), 141 (CERT), 142 (CE	(UC), 118(C	ERT), 125	(WUC)			_							
146 (WUC), 158 (CERT), 159 (CER 361 (DEC), 362 (WUC), 363 (DEC)	T), 178 (CE	ERT), 360	(DEC)										
369 (WUC), 372 (DEC)	, <u> </u>	, <u>540 (400</u>	<u>-1</u>										
IRRIGATION: Sole Supply:				oup Tota				it: 582.				E: 04/01 TO 1	
###PLACE OF USE: *	NM	ORTH WEST	QUARTER	*-	NO	RTH EAST	QUARTER	*	- 50	OUTH WEST	QUARTER		-SOUTH EAST
Sec 01 T 15S R 13E SLBM * Sec 02 T 15S R 13E SLBM *				*			J#	SE * *19	. 4100 2	NE 26.3100 6	ა₩ 5.5600 1:	SE * NW 5.9300*20.880	NE 0 8.6200 8
+ VAC IN THE STEM .	1												
+			'-	*				*-				*	_1 26
*=====================================	<u>.3980.</u> 1	Vater Ric	jhts Appu	*- irtenant	to the f	ollowing	use(s).	*				*	_1 26
91-19 (CERT), 28 (CERT), 84 (CE	3980. V RT),114(W	Vater Rio UC),118(Jhts Appu CERT)	*- irtenant	to the f	ollowing	use(s):	*				*	_1 26
SUPPLEMENTAL GROUP NO.: 61	RT), 114 (W C), 141 (CE T), 159 (CE	Vater Ric (UC),118((RT),143((RT),178(Jhts Appu CERT) CERT) CERT)	* urtenant	to the f	ollowing	use(s):	*				*	_1 26

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DOMESTIC: Sole Supply: UNEVALUATED EDUS
                                                                                                                  Div Limit: 76.44 acft.
                                                                        Group Total: 105.0000
                                                                                                                                                          PERIOD OF USE: 01/01 TO 12/31
   Domestic uses in Columbia, Utah.
  SUPPLEMENTAL GROUP NO.: 613981. Water Rights Appurtenant to the following use(s):
  91-28 (CERT), 84 (CERT), 114 (WUC), 118 (CERT), 125 (WUC)

139 (CERT), 140 (CERT), 141 (CERT), 142 (CERT), 143 (CERT)

145 (CERT), 146 (WUC), 158 (CERT), 159 (CERT), 178 (CERT)

360 (DEC), 361 (DEC), 362 (WUC), 363 (DEC), 367 (WUC)
  368 (WUC) , 369 (WUC) , 372 (DEC)
  DOMESTIC: Sole Supply: UNEVALUATED EDUS Group Total: 770.0000 Div Limit: 560.5 Flow for domestic is part of flow for irrigation. Domestic use at unincorporated areas at Sunnyside and East Carbon.
                                                                                                        Div Limit: 560.56 acft. PERIOD OF USE: 01/01 TO 12/31
  SUPPLEMENTAL GROUP NO.: 613983. Water Rights Appurtenant to the following use(s):
 91-19 (CERT), 28 (CERT), 84 (CERT), 99 (CERT), 114 (MUC), 118 (CERT), 125 (MUC), 141 (CERT), 143 (CERT), 145 (CERT), 146 (MUC), 158 (CERT), 159 (CERT), 178 (CERT), 332 (UGWC), 360 (DEC), 361 (DEC), 362 (MUC), 363 (DEC), 367 (MUC), 368 (MUC), 369 (MUC), 372 (DEC)
                 DISTRICT: Columbia
                                                                      NAME: Columbia
                                                                                                                                                          PERIOD OF USE: 01/01 TO 12/31
                          ORES: coal
                         Acre Feet Contributed by this Right for this Use: Unevaluated
  SUPPLEMENTAL GROUP NO.: 613984. Water Rights Appurtenant to the following use(s):
 91-28 (CERT), 84 (CERT), 114 (WUC), 118 (CERT), 125 (WUC)
141 (CERT), 143 (CERT), 145 (CERT), 158 (CERT), 159 (CERT)
360 (DEC), 361 (DEC), 362 (WUC), 363 (DEC), 367 (WUC)
368 (WUC), 369 (WUC), 372 (DEC)
   MINING: DISTRICT: Sunnyside
ORES: coal
                                                                    NAME: Sunnyside
                                                                                                                                                         PERIOD OF USE: 01/01 TO 12/31
                         Acre Feet Contributed by this Right for this Use: Unevaluated
 SUPPLEMENTAL GROUP NO.: 613985. Water Rights Appurtenant to the following use(s):
91-28 (CERT), 84 (CERT), 114 (WUC), 118 (CERT), 125 (WUC)
141 (CERT), 143 (CERT), 145 (CERT), 146 (WUC), 148 (CERT)
149 (CERT), 150 (CERT), 159 (CERT), 159 (CERT), 178 (CERT)
183 (CERT), 360 (DEC), 361 (DEC), 362 (WUC), 363 (DEC)
367 (WUC), 368 (WUC), 369 (WUC), 372 (DEC)
                 DISTRICT: Columbia
ORES: Coal
   MINING:
                                                                     NAME: Horse Canyon
                                                                                                                                                         PERIOD OF USE: 01/01 TO 12/31
Acre Feet Contributed by this Right for this Use: Unevaluated
Administratively changed on Feb 14, 2007, by deleting the Domestic entry for 800 persons, and
adding it to this Mining entry. The Mining was to employ and/or service the 800 persons.
   INDUSTRIAL: In conjunction with the coal mining occuring at Horse Canyon.

Acre Feet Contributed by this Right for this Use: Unevaluated
                                                                                                                                                         PERIOD OF USE: 01/01 TO 12/31
                                              -------------
 SUPPLEMENTAL GROUP NO.: 614007. Water Rights Appurtenant to the following use(s):
91-28 (CERT), 84 (CERT), 114 (WUC), 118 (CERT), 125 (WUC)
141 (CERT), 146 (WUC), 158 (CERT), 360 (DEC), 361 (DEC)
362 (WUC), 363 (DEC), 367 (WUC), 368 (WUC), 369 (WUC)
 372 (DEC)
   IRRIGATION: Sole Supply: UNEVALUATED acres Group Total: 11.28 Div Limit: 45.12 acft. PERIOD OF USE: 04/01 TO 10/15
                          Sec 06 T 15S R 14E SLBM *
                                                                                                                                   *11.2800|_
                                                                                                                                                                                                      GROUP
SUPPLEMENTAL GROUP NO.: 614158. Water Rights Appurtenant to the following use(s):
91-28 (CERT), 34 (CERT), 114 (MUC), 118 (CERT), 125 (MUC)
141 (CERT), 143 (CERT), 144 (CERT), 145 (CERT), 146 (MUC)
158 (CERT), 178 (CERT), 239 (APP), 360 (DEC), 361 (DEC)
362 (MUC), 363 (DEC), 367 (MUC), 368 (MUC), 369 (MUC)
372 (DEC)
   MUNICIPAL: Sunnyside
                                                                                                                                                        PERIOD OF USE: 01/01 TO 12/31
                       Acre Feet Contributed by this Right for this Use: Unevaluated
SUPPLEMENTAL GROUP NO.: 614354. Water Rights Appurtenant to the following use(s):
91-28 (CERT), 84 (CERT), 114 (WUC), 125 (WUC), 231 (CERT)
362 (WUC), 367 (WUC), 368 (WUC), 369 (WUC)
                                                            cres Group Total: 222.1 Div Limit: 0.0 acft.
IRRIGATION: Sole Supply: UNEVALUATED acres Group Total: 222.1 WUC 91-231 is limited to the irrigation requirements of 160.0 acres.
                                                                                                                                                      PERIOD OF USE: 04/01 TO 10/15
                L: Water uses related to coal mining.
Acre Feet Contributed by this Right for this Use: Unevaluated
                                                                                                                                                       PERIOD OF USE: 01/01 TO 12/31
                    ###PLACE OF USE:
                                *-----NORTH WEST QUARTER-----*----

* NW | NE | SW | SE * NW

BM *X | X | X | X * X

BM *X | X | X | X * X
                                                                                                                                              -SOUTH WEST QUARTER-----
                                                                                                                                                                                   -----SOUTH EAST
Sec 13 T 14S R 14E SLBM *X
Sec 17 T 14S R 14E SLBM *X
Sec 18 T 14S R 14E SLBM *X
Sec 19 T 14S R 14E SLBM *X
                                                                                                                                             | NE | SW | SE * NW
|X |X |X *X
                                                                                               ix
                                                                                                           ĮΧ
                                                                                                                                                                                              ix
                                                                                                                                                                                                         ĺΧ
                                                                                               ΙX
                                                                                                                       ١x
                                                                                                                                                                                              ΙX
                                                                                                                                                                                                         X
                                                                                                                                               IX
                                                                                                                                                                      IΧ
```

Sec 20 T 145 R 14E SLBM														
	*X	X	l X	x	*X	X	I X	١x	*x	ıx	1.7	137		
_Sec 21 T 14S R 14E SLBM		X									IX IX	(X IX		IX.
Sec 24 T 14S R 14E SLBM		X	1X	X				•			IX IX	IX IX		IX
Sec 28 T 145 R 14E SLBM		l X	IX	X	*X		•	•			iX	IX		X
Sec 29 T 145 R 14E SLBM		X	X	X	*X							1		X
Sec 30 T 145 R 14E SLBM			X	X	*X	X					X	IX		X
Sec 31 T 14S R 14E SLBM		X	ΙX	X	*X	Х	IX			X	IX			X
Sec 32 T 14S R 14E SLBM		X	ΙX	X	*X	X		• • •	••		IX			X
Sec 33 T 14S R 14E SLBM			ΙX	X	*X	X	X	ix ·			X			X
Sec 34 T 14S R 14E SLBM	*X	ΙX	X	X	*X	X	X	ix ·			ΙX		'	X
Sec 01 T 15S R 13E SLBM	*	1	l		*		I	2.3000		İ	1	1	*	Λ.
Sec 02 T 15S R 13E SLBM	* 3.5000	7.9000	20.5000	4.1000	*		1	1 .	*	i ———	' 	i	*	
Sec 03 T 15S R 13E SLBM	<u>*</u> !	·	l		*							3,5000	*	
Sec 10 T 15S R 13E SLBM Sec 03 T 15S R 14E SLBM		29.6000	·		*11.7000			ı,				i	*	
Sec 04 T 15S R 14E SLBM		• • • •							X	X	X	X	*X	X
Sec 05 T 15S R 14E SLBM		X	X I	Х	*X	X	X	Х з	'X	ΙX	X	IX	*X	X
Sec 06 T 15S R 14E SLBM	4.4000			14.3000	*			7.2000*	·			ı	∗ i	
This Right (91-368) has an arrangement of the Right (91-368) is a arrangement of the Right (91-368) is a arrangement of the Ri	member of	15 supr	lemental	water:	right arc	uns with				1500				
Height of Dam:	31, inclu 89 NOR NW	Sive, in RTH-WEST NE SW SE X: X: X	Grassy N	Trail Re ORTH-EAS W NE SW	eservoir ST≒ SE	with a m SOUTH-W NW NE S * X: X:	naximum c VEST≒ SW SE	apacity SOUTH NW NE	of 916.0 I-EAST% SW SE : : *	000 acre-	feet, lo	ocated in	1;	==
Area Inundated: Sec 07 T 14S R 14E SLBM Small Dam Required?: No	* X:													
Sec 07 T 14S R 14E SLBM	*****	*****	******	******	******	*****	*****	*****	*****	*****	******	*****	*****	== **

Utah Division of Water Rights | 1594 West North Temple Suite 220, P.O. Box 146300, Salt Lake City, Utah 84114-6300 | 801-538-7240 Natural Resources | Contact | Disclaimer | Privacy Policy | Accessibility Policy | Emergency Evacuation Plan

utah	Ĭ	Online Services	Agency List) Business	Ĭ
		Division			

 Searc	
DNE	
- j	Ì

ATER RIGHT: 91-369 HANGES: a3174 Certifi a4232 Certifi	cate a520 (Issue	M NO.: d:) d:)	CERT.	NO.:						ATE: 01/		
WNERSHIP****************	********	*****	*******	******	******	*****	*****	*****	******	******	*****	****
AME: East Carbon City (Pu DDR: 300 East Park Place East Carbon UT 84520 NTEREST: 50% REMAR	1	ier)										
ME: Sunnyside City (Publ MDR: P.O. Box 69 Sunnyside UT 84539 TEREST: 50% REMAR	KS:	,										
TES, ETC.**********	*****	********	******	******	******	*******						****
NAD OWNED BY APPLICANT? LLED: PRIO totestEnd: PROT TITENSION: ELEC SH LETTR: RENO D BOOK: [91-5] MAP: TYPE DOCUMENT STATU	RITY: / /188 ESTED: [No /PROOF: [COUNTY TAX 8 PUB BEGAN:] HEARNG HLD:] IELEC/PROOF: IRECON REQ: PUB DATE:	ID#:	PUB ENI SE ACT: CERT/WU TYPE:	DED: ION: [JC: 10/	1 	JEWSPAPE ActionDa AP, ETC	ER: ate: ::	PR LA	OOF DUE:	R:	
pe of Right: Decree		Source of	Info: Pro	oposed De	termina	tion	Stat	us: Wate	r User's	Claim		
CATION OF WATER RIGHT***	(Points of Diver	sion: Click or	Location	n to acce	ss PLAT	Program.) ***** 	**** <u>MA</u>	P VIEW	<u>ER</u> *****	******	****
DW: 0.25 cfs	N DESCRIPTION:		E: Grass									
INTS OF DIVERSION SUR. S 2824 ft W 1166 ft fr. Diverting Works: S 1163 ft W 644 ft fr. Diverting Works: N 1521 ft W 1983 ft fr. Diverting Works: S 1013 ft E 125 ft fr. Diverting Works: N 1604 ft E 1245 ft fr. Diverting Works: N 750 ft W 1345 ft fr. Diverting Works: S 566 ft E 4323 ft fr. Diverting Works: S 1149 ft E 1320 ft fr. Diverting Works: N 91 ft E 2390 ft fr. Diverting Works: S 1149 ft E 1320 ft fr. Diverting Works: N 91 ft E 2390 ft fr. Diverting Works: S 66 Ft E 4323 ft fr. Diverting Works: N 91 ft E 1320 ft fr. Diverting Works: S 68 WATER RIGHT************************************	om N4 cor, Sec 0 om NE cor, Sec 1 om SE cor, Sec 2 om W4 cor, Sec 0 om SW cor, Sec 0 om SE cor, Sec 0 om NE cor, Sec 0 om SE cor, Sec 0 om NW cor, Sec 0 om NW cor, Sec 0 om W4 cor, Sec 0 om W4 cor, Sec 0 om W4 cor, Sec 0 om W4 cor, Sec 0 com W4 c	3, T 14s, R 14 3, T 14s, R 14 4, T 15s, R 13 2, T 15s, R 13 3, T 15s, R 13 3, T 15s, R 13 6, T 15s, R 13 6, T 15s, R 14 5, T 15s, R 14	E, SLBM E, SLBM E, SLBM E, SLBM E, SLBM E, SLBM E, SLBM E, SLBM E, SLBM	, horse,	etc.) *	::::::::::::::::::::::::::::::::::::::	EDIT :	Fortive Lor	t Domost	tie Treit	am 1 77-	
RRIGATION: Sole Supply: er User's Claim No. 100		s Group T	otal: 66.	5	Div L 54 acre	imit: 260 s.	5.0 acft	. PE	RIOD OF	 USE: 06/		 9/15
##PLACE OF USE: *- c 03 T 155 R 13E SLBM * c 10 T 155 R 13E SLBM *	NW NE	QUARTER SW SE	* NW * 36.5000	NE 	ST QUART	ER			ST QUART	ER	* NW	SOUTH I
PPLEMENTAL GROUP NO.: 61: -28 (CERT), 84 (CERT), 114 (WU (CERT), 158 (CERT), 360 (DEC (CERT), 367 (WUC), 368 (WUC),	3974. Water Ric (C),118 (CERT),125	hts Appurtena (WUC) UC)	-		ng use(s);						GF

	* NW	l NE	l SW	SE	* NW	NE	I SW	SE	* NTG	l NP	l CM	1 an		
Sec 24 T 15S R 12E SLBM Sec 02 T 15S R 13E SLBM		<u> </u>	<u> </u>	İ	*	10.1000		6.6000	k	F	I	1	* NW	i i
Sec 03 T 15S R 13E SLBM Sec 07 T 15S R 13E SLBM	*	ļ	<u> </u>	<u> </u>	*		İ	<u> </u>	12.3000	14.0800	123.8300 I	34.2900 	*21.9500 *	7.4000
Sec 08 T 15S R 13E SLBM	*	39.6000			*20.9500	-	 31.0000	11.9000	40.0000	140.0000	140.0000	140.0000	*38.3000 * 4.5500	139.50001
Sec 10 T 15S R 13E SLBM Sec 11 T 15S R 13E SLBM			1 0.2000	10.1000	*	134.5000	3.2000	<u> </u>	·	<u> </u>				
	*	1	140.0000		*			i <u> </u>	-		!	¦;	<u> </u>	¦
Sec 19 T 15S R 13E SLBM			1	8.9000 	*	40.0000	¦	140.0000		14.8000 	7.7000 	12.0000		
Sec 24 T 15S R 13E SLBM Sec 06 T 15S R 14E SLBM	*	l	<u> </u>	!	*	10.1000	!	6.6000						j <u> </u>
		·	·——	' 		'	'		11.2800	'	'	' <u></u> '		GROU!
SUPPLEMENTAL GROUP NO.:	613975.	Water R	ights Ap	purtenar	nt to the	followi	na use (s				**=====			
91-28 (CERT), 37 (CERT), 84 (C 125 (WUC), 141 (CERT), 158 (CE	CERT), 114	(WUC), 11:	8 (CERT)											
362 (WUC), 363 (DEC), 367 (WUC	C), 368 (WU	C), 369 (WI	UC)											
372 (DEC)														
IRRIGATION: Sole Supply				Troup To	 tal: 102									
								imit: 411 				JSE: 04/0		
###PLACE OF USE;	* NW	NORTH WES	ST QUARTE	ER	* * NW	NORTH EAS	ST QUARTE	ER*	:	SOUTH WES	T QUARTI	ER*		SOUTH EAS
Sec 19 T 15S R 12E SLBM Sec 24 T 15S R 12E SLBM		ļ	!		<u>*</u>			*			12.1000		14M	NE
Sec 25 T 15S R 12E SLBM	*	` <u> </u>	 	<u> </u>	*	2.6500		¦*				¦*		3.7000
Sec 19 T 15S R 13E SLBM Sec 30 T 15S R 13E SLBM		l	1	4.3000	*	!			4.7000		12.1000			
						'						6.2000*		GROUI
SUPPLEMENTAL GROUP NO.:	13976.	Water R	ights Ap	purtenan	t to the	followi	na use/s	.======) ·						
91-28 (CERT), 84 (CERT), 114 (138 (WUC), 141 (CERT), 158 (CE 362 (WUC), 363 (DEC), 367 (WUC 372 (DEC)	(WUC),118 (RT),360(I	(CERT), 12 DEC), 361	(DEC)				,	, .						
IRRIGATION: Sole Supply	: UNEVALU	JATED acr						mit: 288	9 agft					.::
###PLACE OF USE:		<i></i>										SE: 04/0		
	^ INW	NE	SW [SE '	* NW	NE	T QUARTE	:R* SE *	NW (OUTH WES	T QUARTE SW	SE *	S	OUTH EAST
Sec 10 T 15S R 13E SLBM		·		19.0000			30.20001	23.0000*	!	ا		*		
141 (CERT), 143 (CERT), 145 (C 159 (CERT), 178 (CERT), 360 (D 363 (DEC), 367 (WUC), 368 (WUC IRRIGATION: Sole Supply	EC),361(I),369(WUC	DEC),362(C),372(DE	(WUC)	roup Tot	:al: 15.6		Div Li	mit: 62.		PER		se: 04/0:	 1 TO 10/	
###PLACE OF USE:	*N	ORTH WES	T OUARTE	 R		OPTH FAC								
			_	SE *	NW	NE	SW	SE *	NM	NE	SW	SE *	NW	OUTH EAST NE
Sec 18 T 15S R 14E SLBM	<u>-</u>			*	;¦		¦	*	3.80001	5.2100	5.82001	0.8000*		
*======================================				*****							·		·'	GROUP
SUPPLEMENTAL GROUP NO.: 6 91-28 (CERT), 94 (CERT), 114 (137 (CERT), 141 (CERT), 158 (C 362 (WUC), 363 (DEC), 367 (WUC 372 (DEC)	13978. WUC),118(ERT),360(Water Ri CERT),12 DEC),361	ights App 5(WUC) (DEC)	purtenant	t to the	followin	ıg use(s)	:						
IRRIGATION: Sole Supply		ATED acr	es G	roup Tot	al· 11 4		Div Li							
												SE: 04/01		
		NE	T QUARTE	SE *	NW	ORTH EAS	F QUARTER SW	R*- SE *	NW	OUTH WEST			NW	
Sec 02 T 15S R 13E SLBM	*!	1	!	*	1	i	i	*	i.		i.	*_		11.4500
***************************************									2202255					GROUP
UPPLEMENTAL GROUP NO.: 6 11-28 (CERT), 24 (CERT), 114 (F 40 (CERT), 141 (CERT), 142 (CE 46 (WUC), 158 (CERT), 159 (CEE 161 (DEC), 362 (WUC), 363 (DEC) 169 (WUC), 372 (DEC)	NUC),118(ERT),143(RT),178(C ,367(WUC	CERT), 12 CERT), 14 ERT), 360), 368 (WU	5 (WUC) 5 (CERT) (DEC) C)											
IRRIGATION: Sole Supply:	UNEVALU	ATED acre	es Gi	roup Tota	al: 149.	02	Div Lim	nit: 582.	S6 acft.	PERT	OD OF US	E • 04/01	TO 10/3	i
###PLACE OF USE: *	N	ORTH WEST	C QUARTER	· · · · · · · · · · · · · · · · · · ·	No	ORTH EAST	OUARTER							
Sec 01 T 15S R 13E SLBM *	NW	NE	SW	SE *	NW			SE *	NW	NE	SW	SE *	NW (NE I
Sec 02 T 15S R 13E SLBM *		-		*			 ¦-	*1	9.4100 2	6.3100	6.5600 1	5.9300*2	10088.0	8.6200
							··				'		'	OD OUT
SUPPLEMENTAL GROUP NO.: 61	<u> 13980 .</u>	Water Ri	ghts App	urtenant	to the	following	g use(s):	 :				======	******	=======
91-19 (CERT), 28 (CERT), 84 (CE 120 (CERT), 124 (CERT), 125 (WI 145 (CERT), 146 (WUC), 158 (CER 360 (DEC), 361 (DEC), 362 (WUC) 368 (WUC), 369 (WUC), 372 (DEC)	CRT), 114 (P IC), 141 (CR IT), 159 (CR , 363 (DEC)	(UC), 118 ERT), 143 ERT), 178	(CERT) (CERT) (CERT)											

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DOMESTIC: Sole Supply: UNEVALUATED EDUS
                                                                    Group Total: 105,0000
                                                                                                         Div Limit: 76.44 acft.
                                                                                                                                               PERIOD OF USE: 01/01 TO 12/31
  Domestic uses in Columbia, Utah.
                                                                ---------
  SUPPLEMENTAL GROUP NO.: 613981. Water Rights Appurtenant to the following use(s):
  91-28 (CERT), 84 (CERT), 114 (WUC), 118 (CERT), 125 (WUC)
  139(CERT), 140(CERT), 141(CERT), 142(CERT), 143(CERT), 145(CERT), 146(WUC), 158(CERT), 159(CERT), 178(CERT), 360(DEC), 361(WUC), 362(WUC), 363(DEC), 363(WUC), 369(WUC), 372(DEC)
  DOMESTIC: Sole Supply: UNEVALUATED EDUS Group Total: 770.0000 Div Limit: 560. Flow for domestic is part of flow for irrigation. Domestic use at unincorporated areas at
    DOMESTIC: Sole Supply: UNEVALUATED EDUS
                                                                                                     Div Limit: 560.56 acft. PERIOD OF USE: 01/01 TO 12/31
  Sunnyside and East Carbon.
  SUPPLEMENTAL GROUP NO.: 613983. Water Rights Appurtenant to the following use(s):
  91-19 (CERT), 28 (CERT), 84 (CERT), 99 (CERT), 114 (WUC)
  118 (CERT), 125 (WUC), 141 (CERT), 143 (CERT), 145 (CERT)
146 (WUC), 158 (CERT), 159 (CERT), 178 (CERT), 332 (UGWC)
360 (DEC), 361 (DEC), 362 (WUC), 363 (DEC), 367 (WUC)
  368 (WUC) , 369 (WUC) , 372 (DEC)
    MINING: DISTRICT: Columbia
                                                                 NAME: Columbia
                                                                                                                                             PERIOD OF USE: 01/01 TO 12/31
                        ORES: coal
                       Acre Feet Contributed by this Right for this Use: Unevaluated
 SUPPLEMENTAL GROUP NO.: 613984. Water Rights Appurtenant to the following use(s): 91-28(CERT), 84(CERT), 114(WUC), 118(CERT), 125(WUC)
141(CERT), 143(CERT), 145(CERT), 158(CERT), 159(CERT)
360(DEC), 361(DEC), 362(WUC), 363(DEC), 367(WUC)
368(WUC), 369(WUC), 372(DEC)
   MINING: DISTRICT: Sunnyside ORES: coal
                                                                NAME: Sunnyside
                                                                                                                                             PERIOD OF USE: 01/01 TO 12/31
                       Acre Feet Contributed by this Right for this Use: Unevaluated
 SUPPLEMENTAL GROUP NO.: 613985. Water Rights Appurtenant to the following use(s):
 91-28 (CERT), 84 (CERT), 114 (MUC), 118 (CERT), 125 (MUC)
141 (CERT), 143 (CERT), 145 (CERT), 146 (MUC), 148 (CERT)
149 (CERT), 150 (CERT), 158 (CERT), 159 (CERT), 178 (CERT)
183 (CERT), 360 (DEC), 361 (DEC), 362 (MUC), 363 (DEC)
367 (MUC), 368 (MUC), 369 (MUC), 372 (DEC)
   MINING:
                DISTRICT: Columbia
                                                                NAME: Horse Canyon
                                                                                                                                              PERIOD OF USE: 01/01 TO 12/31
                       ORES: Coal
 Acre Feet Contributed by this Right for this Use: Unevaluated
Administratively changed on Feb 14, 2007, by deleting the Domestic entry for 800 persons, and
adding it to this Mining entry. The Mining was to employ and/or service the 800 persons.
   INDUSTRIAL: In conjunction with the coal mining occuring at Horse Canyon.

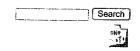
Acre Feet Contributed by this Right for this Use: Unevaluated
 SUPPLEMENTAL GROUP NO.: 614007. Water Rights Appurtenant to the following use(s): 91-28(CERT), 84(CERT), 114(WUC), 118(CERT), 125(WUC), 141(CERT), 146(WUC), 158(CERT), 360(DEC), 361(DEC)
 362 (WUC), 363 (DEC), 367 (WUC), 368 (WUC), 369 (WUC)
 372 (DEC)
   IRRIGATION: Sole Supply: UNEVALUATED acres Group Total: 11.28 Div Limit: 45.12 acft. PERIOD OF USE: 04/01 TO 10/15
                         Sec 06 T 15S R 14E SLBM *
                                                                                                                         *11.2800|
                                                                                                                                                                                       GROUP
SUPPLEMENTAL GROUP NO.: 614158. Water Rights Appurtenant to the following use(s):
91-28 (CERT), 84 (CERT), 114 (WUC), 118 (CERT), 125 (WUC)
141 (CERT), 143 (CERT), 144 (CERT), 145 (CERT), 146 (WUC)
158 (CERT), 178 (CERT), 239 (APP), 360 (DEC), 361 (DEC)
362 (WUC), 363 (DEC), 367 (WUC), 368 (WUC), 369 (WUC)
372 (DEC)
   MUNICIPAL: Sunnyside
                                                                                                                                             PERIOD OF USE: 01/01 TO 12/31
                     Acre Feet Contributed by this Right for this Use: Unevaluated
SUPPLEMENTAL GROUP NO.: 614354. Water Rights Appurtenant to the following use(s): 91-28(CERT),84(CERT),114(WUC),125(WUC),231(CERT)
362(WUC),367(WUC),368(WUC),369(WUC)
IRRIGATION: Sole Supply: UNEVALUATED acres Group Total: 222.1 Div Limit: 0.0 acft.
WUC 91-231 is limited to the irrigation requirements of 160.0 acres.
                                                                                                                                           PERIOD OF USE: 04/01 TO 10/15
                L: Water uses related to coal mining.
   INDUSTRIAL:
                                                                                                                                            PERIOD OF USE: 01/01 TO 12/31
                   Acre Feet Contributed by this Right for this Use: Unevaluated
 I SE * NW
                                                                                                                                                                                  NE
                                                                                                                                                                     *X
                                                                                                                                                                                ĺΧ
                                                                                                                                                                                          İΧ
Sec 17 T 14S R 14E SLBM *X
Sec 18 T 14S R 14E SLBM *X
                                                                                                                                    X
                                                                                                                                                                                          X
                                             ΙX
                                                                                                                                               ΙX
                                                                                                                                                          IX
                                                                                                                                                                     *X
                                                                                                                                                                                          X)
Sec 19 T 14S R 14E SLBM *X
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ec 20 T 14S R 14E SLBM		X	X	(X	*X	[X	ĮΧ	١x	*X	X	IX	X	*x) X	١x
ec 21 T 14S R 14E SLBM		X	ΙX	١X	*X	1X	įΧ	X	*X	İX			*X		iχ
ec 24 T 145 R 14E SLBM		IX	1X	١x	*X	X	X	IX	*X	ix		•	*X		ΙX
ec 28 T 14S R 14E SLBM		1X	X	łX	*X	X	(X	ix	*X	X			*X		X
c 29 T 14S R 14E SLBM		١x	1X	X	*X	1X	IX	ix	*X	X			*X		IX
C 30 T 14S R 14E SLBM		1X	1X	X	*X	IX	IX	X	*X	ix			٠. ۲x		
C 31 T 14S R 14E SLBM		1X	[X	1X	*X	X	X		*X	IX			·x ⊧x	•	ΙX
C 32 T 145 R 14E SLBM		IX.	1X	IX	*X	X	IX		*X	X					ΙX
C 33 T 14S R 14E SLBM	*X	IX	1X	IX	*X	IX.	ΙX			IX					X
34 T 14S R 14E SLBM	*X	X	ix		*X	ix	ίX			IX			*X		IX
01 T 15S R 13E SLBM	*	İ	i	i	*	i	1	2.3000		1^	!^ !	X	*X	X	X
02 T 15S R 13E SLBM	* 3.500	01 7.9000	120.5000	4.1000	*	i	¦	1 2.3000	*	!	!!				!
03 T 15S R 13E SLBM	*	i i	i	i	*	i ——	¦	:		<u>'</u>	!!	2 5000	`	!	!_
10 T 15S R 13E SLBM	*	129,6000	i —	1 3 6000	*11.7000	31 8000	1 1000	!		!	!!	3.5000	·		2
03 T 15S R 14E SLBM	*X	IX	X			X		·	*X	!	!!				J
04 T 15S R 14E SLBM	*X	X	IX		*X	IX				IX					X
05 T 15S R 14E SLBM	* 4.400		i	1	*		1 ^		*X	X	X I	х *	X	IX (X
06 T 15S R 14E SLBM		`	2 5000	14.3000	*	0.3000	3 4000	1 - 2000	*12.2000		!	*		·	I
		-'	1 2.0000	114.5000		1 0.2000	3.4000	7.2000	*12.2000	9.3000	اا	3.7000*	24.2000		
														GROU	JΡ

This Right (91-369) is a member of 15 supplemental water right groups with irrigated acreage totaling 1583.4300 acres. Storage from 03/15 to 12/15, inclusive, in Grassy Trail Reservoir with a maximum capacity of 916.000 acre-feet, located in:
Height of Dam: 89 NORTH-WEST4 NORTH-EAST4 SOUTH-WEST4 SOUTH-EAST4
Area Inundated: NW NE SW SE NW NE SW SE NW NE SW SE
Sec 07 T 14S R 14E SLBM * : : : * * : : * * X: X: : * * : : *

Small Dam Required?: No





Select Related Information (WARNING: Water Rights makes NO claims as to the accuracy of this data.) RUN DATE: 01/26/2011 WATER RIGHT: 91-372 APPLICATION/CLAIM NO.: CERT. NO.: a556 CHANGES: <u>a18520</u> Approved __Certificate a556 (Issued:) __Expired t18432 NAME: Sunnyside Cogeneration Associates (Public Water Supplier) ADDR: c/o Brian Burnett, Callister Nebeker & McCullough 10 East South Temple, Ste. 900 Salt Lake City, UT 84133 EST: 100% REMARKS: INTEREST: 100% LAND OWNED BY APPLICANT? COUNTY TAX ID#: |PRIORITY: 00/00/1885|PUB BEGAN: |PROTESTED: [No]|HEARNG HLD FILED: | PUB ENDED: INEWSPAPER: ProtestEnd:) | HEARNG HLD: SE ACTION: [] [ActionDate: I PROOF DUE: EXTENSION: |ELEC/PROOF:[] | ELEC/PROOF: |CERT/WUC: |LAP, ETC: | LAPS LETTER: RUSH LETTR: | RENOVATE: RECON REQ: |TYPE: [PD BOOK: [91-5] | MAP: [58c] | PUB
*TYPE -- DOCUMENT -- STATUS------] | PUB DATE: Type of Right: Decree Source of Info: Proposed Determination FLOW: 5.575 cfs SOURCE: Grassy Trail Creek COUNTY: Carbon COMMON DESCRIPTION: POINTS OF DIVERSION -- SURFACE: (1) S 2824 ft W 1166 ft from N4 cor, Sec 07, T 14S, R 14E, SLBM Diverting Works: Source: S 1163 ft W 644 ft from NE cor, Sec 18, T 14S, R 14E, SLBM Diverting Works: Source: N 1521 ft W 1983 ft from SE cor, Sec 29, T 14S, R 14E, SLBM Source: (4) S 1013 ft E 125 ft from W4 cor, Sec 01, T 15S, R 13E, SLBM Diverting Works: Source: (5) N 1604 ft E 1245 ft from SW cor, Sec 02, T 15S, R 13E, SLBM Diverting Works: [6] N 750 ft W 1345 ft from SE cor, Sec 03, T 15S, R 13E, SLBM Source: Diverting Works: 566 ft E 4323 ft from NW cor, Sec 09, T 15S, R 13E, SLBM Diverting Works: Source: (8) S 1149 ft E 1320 ft from NW cor, Sec 09, T 15S, R 13E, SLBM Diverting Works: Source: (9) N 91 ft E 2390 ft from W4 cor, Sec 06, T 15S, R 14E, SLBM Diverting Works: Source: Stream Alt Required?: No USES OF WATER RIGHT******* ELU -- Equivalent Livestock Unit (cow, horse, etc.) ******* EDU -- Equivalent Domestic Unit or 1 Family

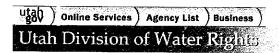


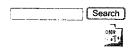


(WARNING: Water Rights makes NO claims as to the accuracy of this data.) RUN DATE: 01/26/2011 APPLICATION/CLAIM NO .: CERT. NO.: NAME: Magnificent Seven L.L.C. ADDR: c/o GREG JENSEN 111 E CLARK ST ALBERTA LEA, MN 56007 INTEREST: 34.5% REMARKS: a Utah Limited Liability Company NAME: Penta Creek L.L.C. ADDR: c/o GREG JENSEN 111 E CLARK ST ALBERTA LEA, MN INTEREST: 65.5% REMARKS: a Utah Limited Liability Company LAND OWNED BY APPLICANT? Yes COUNTY TAX ID#: | PRIORITY: 00/00/1869| PUB BEGAN: PUB ENDED: INEWSPAPER: ProtestEnd: | PROTESTED: [No TIMEARNG HLD: |SE ACTION: [|CERT/WUC:] | ActionDate: | PROOF DUE: EXTENSION: |ELEC/PROOF: [|LAP, ETC: |LAPS LETTER: RUSH LETTR: RECON REQ: |TYPE: [IRENOVATE: PD BOOK: [91-5] | MAP: [58 *TYPE -- DOCUMENT -- STATUS-----1 | PUB DATE: Type of Right: Diligence Claim Source of Info: Proposed Determination Status: SOURCE: Left Fork Grassy Trail Creek COUNTY: Carbon COMMON DESCRIPTION: POINT OF DIVERSION -- POINT TO POINT: (1)Stockwatering directly on stream from a point at N 660 ft. E 660 ft. from SW corner, Sec 06, T14S, R14E, SLBM, to a point at S 660 ft. E 1980 ft. from W4 corner, Sec 07, T14S, R14E, SLBM. COMMENT: Administratively updated by State Engineer. USES OF WATER RIGHT****** ELU -- Equivalent Livestock Unit (cow, horse, etc.) ******* EDU -- Equivalent Domestic Unit or 1 Family

COUNTY: Carbon

POINT OF DIVERSION -- POINT TO POINT:



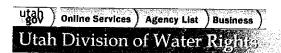


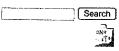
(WARNING: Water Rights n	CLAIM NO.: CER	RT. NO.:		
OWNERSHIP**************************	******	*******	*************	*******
NAME: W. Lavon & Marianne W. Day ADDR: Castle Dale UT REMARKS: joint tens				
DATES, ETC.************************************				
	COUNTY TAX ID#: 1869 PUB BEGAN: HEARNG HLD: IELEC/PROOF: RECON REQ: PUB DATE:	PUB ENDED: SE ACTION: [CERT/WUC: 09/	NEWSPAPER: IActionDate: 11/1967 LAP, ETC: 	PROOF DUE: LAPS LETTER:
	Source of Info:			
LOCATION OF WATER RIGHT*** (Points of Div	version: Click on Locat	tion to access PLAT	Program.)**********	P VIEWER***********
FI.OW:	SOURCE: Lof	ft Fork Whitmans Co.		

USES OF WATER RIGHT****** ELU -- Equivalent Livestock Unit (cow, horse, etc.) ******* EDU -- Equivalent Domestic Unit or 1 Family

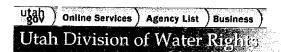
(1)Stockwatering directly on stream from a point at N 660 ft. W 660 ft. from S4 corner, Sec 35, T13S, R13E, SLBM, to a point at N 660 ft. W 660 ft. from S4 corner, Sec 35, T13S, R13E, SLBM.

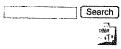
COMMENT: Administratively updated by State Engineer.





(WARNING: Water Rights makes NO claims as to the accuracy of this data.) RUN DATE: 01/26/2011 WATER RIGHT: 91-1666 APPLICATION/CLAIM NO.: CERT. NO.:
OWNERSHIP************************************
NAME: W. Lavon & Marianne W. Day ADDR: Castle Dale UT REMARKS: joint tenants
DATES, ETC.************************************
LAND OWNED BY APPLICANT? YES COUNTY TAX ID#: FILED: PRIORITY: 00/00/1869 PUB BEGAN: PUB ENDED: NEWSPAPER: ProtestEnd: PROTESTED: [No
Source of Info: Proposed Determination Status:
LOCATION OF WATER RIGHT*** (Points of Diversion: Click on Location to access PLAT Program ************************************
FLOW: SOURCE: Spring Stream COUNTY: Carbon COMMON DESCRIPTION:
POINT OF DIVERSION POINT TO POINT: (1)Stockwatering directly on stream from a point at S 660 ft. W 660 ft. from NE corner, Sec 22, T13S, R13E, SLBM, to a point at N 660 ft. W 660 ft. from E4 corner, Sec 34, T13S, R13E, SLBM. COMMENT: Administratively updated by State Engineer. SOURCE: Spring Stream
USES OF WATER RIGHT****** ELU Equivalent Livestock Unit (cow, horse, etc.) ******* EDU Equivalent Domestic Unit or 1 Family





(WARNING: Water Rights makes NO claims as to the accuracy of this data.) RUN DATE: 01/26/2011 WATER RIGHT: 91-1667 APPLICATION/CLAIM NO.: CERT. NO.:
OWNERSHIP************************************
NAME: W. Lavon & Marianne W. Day ADDR: Castle Dale UT REMARKS: joint tenants
DATES, ETC.************************************
LAND OWNED BY APPLICANT? Yes COUNTY TAX ID#: FILED: PRIORITY: 00/00/1869 PUB BEGAN: PUB ENDED: NEWSPAPER: ProtestEnd: PROTESTED: [No
LOCATION OF WATER RIGHT*** (Points of Diversion: Click on Location to access PLAT Program.) ************************************
FLOW: 0.011 cfs SOURCE: Unnamed Spring COUNTY: Carbon COMMON DESCRIPTION: POINT OF DIVERSION: (1)Stockwatering directly on spring located at N 660 ft. W 660 ft. from E4 corner, Sec 34, T135, R13E, SLBM. COMMENT: Administratively updated by State Engineer.
USES OF WATER RIGHT******* ELU Equivalent Livestock Unit (cow, horse, etc.) ******* EDU Equivalent Domestic Unit or 1 Family
SUPPLEMENTAL GROUP NO.: 614121. Water Rights Appurtenant to the following use(s): 91-1661(DIL), 1662(DIL), 1664(DIL), 1665(DIL), 1665(DIL), 1665(DIL) 1667(DIL), 1668(DIL), 1669(DIL), 1671(DIL), 1672(DIL) 1673(DIL), 1674(DIL), 1682(DIL), 1683(DIL), 1689(DIL), 1689(DIL) 1692(DIL), 1687(DIL), 1688(DIL), 1695(DIL), 1703(DIL) 1704(DIL), 1706(DIL), 1707(DIL), 1708(DIL), 1709(DIL) 1704(DIL), 1706(DIL), 3475(DIL), 3477(DIL), 3478(DIL) 3474(DIL), 3475(DIL), 3486(DIL), 3482(DIL), 3483(DIL) 3484(DIL), 3485(DIL), 3485(DIL), 3487(DIL), 3488(DIL) 3489(DIL), 3490(DIL), 3491(DIL), 3492(DIL), 3493(DIL) 3494(DIL), 3495(DIL), 3496(DIL), 3497(DIL), 3498(DIL) 3494(DIL), 3495(DIL), 3496(DIL), 3497(DIL), 3498(DIL)
STOCKWATER: Sole Supply: UNEVALUATED ELUS Group Total: 1000.0000 Div Limit: 15.0 acft. PERIOD OF USE: 01/01 TO 12/31
PLACE OF USE for STOCKWATERING************************************
NORTH-WEST4 NORTH-EAST4 SOUTH-WEST4 SOUTH-EAST4 NW NE SW SE NW NE SW SE NW NE SW SE ***********************************

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OWNERSHIP*************					******

NAME: W. Lavon & Marianne W. ADDR: Castle Dale UT	-				
	: joint tenants			· 4= 4= 4= 4= 4= 4= 4= 4= 4= 4= 4= 4= 4=	
DATES, ETC. ************************************		********		*******	*********
LAND OWNED BY APPLICANT? Yes FILED: PRIORI	TY: 00/00/1869 Pt TED: [No] HE ROOF:[] EI TE: RE [57] PU	DUNTY TAX ID#: B BEGAN: CARNG HLD: DEC/PROOF: CON REQ: B DATE:	PUB ENDED: SE ACTION: [NEWSPAPER: NactionDate: /08/1967 LAP, ETC: 	PROOF DUE: LAPS LETTER:
Type of Right: Diligence Cla	im	Source of Info:	Proposed Determin	ation Status:	
LOCATION OF WATER RIGHT *** (P	oints of Diversion	: Click on Locat	ion to access PLA	T Program \	* <u>MAP VIEWER</u> **********
FLOW: COUNTY: Carbon COMMON	DESCRIPTION:	SOURCE: Lef	t Fork Whitmore C	anyon Creek	5 od 5 5 5 6 6 7 9 5 5 5 5 5 5 6 6 6 6 6 6 6 6 6 6 6 6 6
POINT OF DIVERSION POINT (1)Stockwatering directly o					
CO.	to a point at N MMENT: Administrat	660 ft. W 660 fively updated by	t. from S4 corner State Engineer.	4 corner, Sec 35, T13, Sec 35, T138, R13E,	SLBM.
CO USES OF WATER RIGHT******	to a point at N MMENT: Administrat	ively updated by	t. from S4 corner State Engineer.	, Sec 35, T13S, R13E,	SLBM.
COUSES OF WATER RIGHT******** SUPPLEMENTAL GROUP NO.: 614: 91-1661(DIL), 1662(DIL), 1664(1667(DIL), 1668(DIL), 1669(DIL), 1673(DIL), 1687(DIL), 1688(DIL), 1686(DIL), 1697(DIL), 1694(DIL), 1692(DIL), 1694(DIL), 1704(DIL), 1704(DIL), 1704(DIL), 1704(DIL), 3475(DIL), 3476(DIL), 3476(DIL), 3481(DIL), 3484(DIL), 3485(DIL), 3489(DIL), 3491(DIL), 3499(DIL), 3491(DIL), 3499(DIL), 3491(DIL)	To a point at N MMENT: Administrat ELU Equivalent L21. Water Rights DIL),1665(DIL),1672(D 1,1683(DIL),1685(D 1,1689(DIL),1690(D 1,1695(DIL),1703(D 1,708(DIL),1709(D 1,3477(DIL),3478(D 1,3482(DIL),3483(D 1,3487(DIL),3483(D 1,3492(DIL),3493(D 1,3493(DIL),3493(D 1,3493(DIL),3493(D	tively updated by Livestock Unit (Appurtenant to 6(DIL) IL) IL) IL) IL) IL) IL) IL) IL) IL)	t. from S4 corner State Engineer. Cow, horse, etc.)	, Sec 35, T13S, R13E, ******** EDU Equi	SLBM.
COUSES OF WATER RIGHT******** SUPPLEMENTAL GROUP NO.: 614: 91-1661(DIL), 1662(DIL), 1664(1667(DIL), 1668(DIL), 1682(DIL) 1673(DIL), 1674(DIL), 1682 (DIL) 1686(DIL), 1697(DIL), 1694(DIL) 1692(DIL), 1693(DIL), 1694(DIL) 1704(DIL), 1706(DIL), 1707(DIL) 3474(DIL), 3475(DIL), 3476(DIL) 3479(DIL), 3480(DIL), 3481(DIL) 3484(DIL), 3495(DIL), 3486(DIL) 3489(DIL), 3499(DIL), 3491(DIL) 3494(DIL), 3495(DIL), 3496(DIL) STOCKWATER: SOLE SUPPLY: U	To a point at N MMENT: Administrat ELU Equivalent L21. Water Rights DIL),1665 (DIL),1672 (D 1,1683 (DIL),1685 (D 1,1689 (DIL),1690 (D 1,1695 (DIL),1709 (D 1,1708 (DIL),1709 (D 1,3477 (DIL),3478 (D 1,3482 (DIL),3488 (D 1,3487 (DIL),3488 (D 1,3497 (DIL),3498 (D 1,3497 (DIL),3498 (D	660 ft. W 660 fively updated by Livestock Unit (Appurtenant to 6(DIL) IL) IL) IL) IL) IL) IL) IL) IL) IL)	t. from S4 corner State Engineer. cow, horse, etc.) the following use	******* EDU Equi	valent Domestic Unit or 1 Family
COUSES OF WATER RIGHT******** SUPPLEMENTAL GROUP NO.: 614: 91-1661(DIL), 1662(DIL), 1669(DIL) 1667(DIL), 1668(DIL), 1669(DIL) 1673(DIL), 1674(DIL), 1682(DIL) 1686(DIL), 1687(DIL), 1688(DIL) 1692(DIL), 1693(DIL), 1694(DIL) 1704(DIL), 1704(DIL), 1707(DIL) 3474(DIL), 3475(DIL), 3476(DIL) 3479(DIL), 3480(DIL), 3481(DIL) 3484(DIL), 3485(DIL), 3486(DIL) 3489(DIL), 3490(DIL), 3491(DIL) 3494(DIL), 3495(DIL), 3496(DIL)	to a point at N MENT: Administrat BLU Equivalent L21. Water Rights DIL), 1665 (DIL), 1667 (D), 1671 (DIL), 1672 (D), 1683 (DIL), 1685 (D), 1695 (DIL), 1690 (D), 1695 (DIL), 1703 (D), 1708 (DIL), 1709 (D), 3477 (DIL), 3478 (D), 3482 (DIL), 3483 (D), 3492 (DIL), 3493 (D), 3497 (DIL), 3498 (D), 3497 (DIL), 3498 (D), 3497 (DIL), 3498 (D	Geoff. W 660 fively updated by Livestock Unit (Appurtenant to 6(DIL) IL) IL) IL) IL) IL) IL) IL)	t. from S4 corner State Engineer. cow, horse, etc.) the following use	******* <i>EDU Equi</i> *(s): Limit: 15.0 acft.	SLBM. valent Domestic Unit or 1 Family PERIOD OF USE: 01/01 TO 12/31

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(WARNING: water right: 91-167	APPLICATION/CLA:	IM NO.: CER	. No.:	racy of this dat	ta.) RUN DATE: 01/26/2011
OWNERSHIP*******	************			********	***********
NAME: W. Lavon & Man ADDR: Castle Dale U	REMARKS: joint tenants				
	**************************************	******	*******	*******	***********
FILED: ProtestEnd: EXTENSION: RUSH LETTR: PD BOOK: [91-5	PRIORITY: 00/00/1869 PROTESTED: [No] ELEC/PROOF: [] RENOVATE:	PUB BEGAN: HEARNG HLD: ELEC/PROOF: RECON REQ: PUB DATE:	PUB ENDED: SE ACTION: [CERT/WUC: 12 TYPE: [NEWSPAPER: ActionDate: /08/1967 LAP, ETC: 	PROOF DUE: LAPS LETTER:
Type of Right: Dilic	ence Claim	Source of Info:	Proposed Determin	ation Status:	· · · · · · · · · · · · · · · · · · ·
LOCATION OF WATER RI	GHT*** (Points of Divers	ion: Click on Locat:	ion to access PT.A	T Droorsm \	MAP VIEWER***********************************
COUNTY: Carbon POINT OF DIVERSION -	rectly on stream from a to a point a COMMENT: Administ	SOURCE: Spr point at S 660 ft. t N 660 ft. W 660 fr ratively updated by	ing Stream W 660 ft. from Ni from E4 corner		. אמים קול פ
OSES OF WATER KICHT*	~~~~~~ <i>ELV Equivale</i>	nt Livestock Unit (nw horse ata 1	****** PD# # # # # # # # # # # # # # # # # # #	ralent Domestic Unit or 1 Family
SUPPLEMENTAL GROUP N 91-1661(DIL), 1662(DI 1667(DIL), 1668(DIL), 1673(DIL), 1668(DIL), 1673(DIL), 1674(DIL), 1692(DIL), 1693(DIL), 1692(DIL), 1693(DIL), 1704(DIL), 1706(DIL), 3474(DIL), 3475(DIL), 3479(DIL), 3480(DIL), 3484(DIL), 3485(DIL), 3489(DIL), 3490(DIL),	O.: 614121. Water Ric L), 1664 (DIL), 1665 (DIL), 1669 (DIL), 1671 (DIL), 167 1682 (DIL), 1683 (DIL), 168 1688 (DIL), 1683 (DIL), 169 1694 (DIL), 1695 (DIL), 170 1707 (DIL), 1708 (DIL), 170 3476 (DIL), 3477 (DIL), 347 3481 (DIL), 3482 (DIL), 348 3486 (DIL), 3487 (DIL), 348 3491 (DIL), 3497 (DIL), 349	hts Appurtenant to 1666(DIL) 2(DIL) 5(DIL) 5(DIL) 3(DIL) 9(DIL) 9(DIL) 8(DIL) 3(DIL) 8(DIL) 8(DIL) 8(DIL)			
STOCKWATER: Sole S	upply: UNEVALUATED ELUS	Group Total: 1	000.0000 Div	Limit: 15.0 acft.	PERIOD OF USE: 01/01 TO 12/31
PLACE OF USE for STO	CKWATERING**********	*******	*******	*******	**********
Sec 22 T 13s R 13E S Sec 34 T 13s R 13E S	BM * : : : *	NORTH-EAST4 NW NE SW SE * : X: : * * : : : X*	SOUTH-WEST'4 NW NE SW SE * : : : * * : : : *	SOUTH-EAST4 NW NE SW SE * : : : * * : : : *	****************************
******			OF DWINE		~~ ~ ~ ~ ~ * * * * * * * * * * * * * *

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(WARNING: Water Rights makes NO claims as to the accuracy of this data.) RUN DATE: 01/26/2011 WATER RIGHT: 91-1674 APPLICATION/CLAIM NO.: CERT. NO.:
OWNERSHIP************************************
NAME: W. Lavon & Marianne W. Day ADDR: Castle Dale UT REMARKS: joint tenants
DATES, ETC.************************************
COUNTY TAX ID#: FILED: PRIORITY: 00/00/1869 PUB BEGAN: PUB ENDED: NEWSPAPER: ProtestEnd: PROTESTED: [No
LOCATION OF WATER RIGHT*** (Points of Diversion: Click on Location to access PLAT Program.) ************************************
FLOW: 0.011 cfs SOURCE: Unnamed Spring COUNTY: Carbon COMMON DESCRIPTION:
POINT OF DIVERSION: (1)Stockwatering directly on spring located at N 660 ft. W 660 ft. from E4 corner, Sec 34, T13S, R13E, SLBM. COMMENT: Administratively updated by State Engineer.
USES OF WATER RIGHT******* ELU Equivalent Livestock Unit (cow, horse, etc.) ******* EDU Equivalent Domestic Unit or 1 Famil
SUPPLEMENTAL GROUP NO.: 614121. Water Rights Appurtenant to the following use(s): 91-1661(DIL), 1662(DIL), 1664(DIL), 1665(DIL), 1665(DIL), 1666(DIL) 1667(DIL), 1668(DIL), 1668(DIL), 1669(DIL), 1671(DIL), 1685(DIL) 1673(DIL), 1674(DIL), 1688(DIL), 1689(DIL), 1689(DIL) 1686(DIL), 1687(DIL), 1688(DIL), 1689(DIL), 1690(DIL) 1692(DIL), 1693(DIL), 1694(DIL), 1695(DIL), 1703(DIL) 1704(DIL), 1706(DIL), 1707(DIL), 1708(DIL), 1709(DIL) 1474(DIL), 3475(DIL), 3476(DIL), 3477(DIL), 3478(DIL) 1479(DIL), 3485(DIL), 3481(DIL), 3482(DIL), 3488(DIL) 1484(DIL), 3485(DIL), 3491(DIL), 3497(DIL), 3498(DIL) 1489(DIL), 3490(DIL), 3491(DIL), 3492(DIL), 3498(DIL) 1494(DIL), 3495(DIL), 3496(DIL), 3497(DIL), 3498(DIL)
STOCKWATER: Sole Supply: UNEVALUATED ELUS Group Total: 1000.0000 Div Limit: 15.0 acft. PERIOD OF USE: 01/01 TO 12/31
LACE OF USE for STOCKWATERING************************************
NORTH-WEST4 NORTH-EAST4 SOUTH-WEST4 SOUTH-EAST4 NW NE SW SE NW NE SW SE NW NE SW SE ec 34 T 13s R 13e slbm * : : : * * : : x* * : : * * : : * **********

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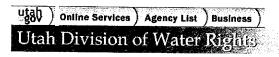
(WARNING: Water Right WATER RIGHT: 91-1686 APPLICA	TION/CLAIM NO.: CE	as to the accuracy of this data RT. NO.:	
OWNERSHIP****************	**********	**************************************	
NAME: W. Lavon & Marianne W. Day ADDR: Castle Dale UT REMARKS: join	t tenants		
DATES, ETC.***************	*********	************	*******
LAND OWNED BY APPLICANTY YES FILED: PRIORITY: 0 ProtestEnd: PROTESTED: [I EXTENSION: IELEC/PROOF: [RENOVATE: PD BOOK: [91-5] MAP: [57	COUNTY TAX ID#: D/00/1869 PUB BEGAN: No	PUB ENDED: NEWSPAPER: SE ACTION: [] ActionDate: CERT/WUC: 03/08/1972 LAP, ETC: TYPE: []	PROOF DUE: LAPS LETTER:
Type of Right: Diligence Claim	Source of Info:	Proposed Determination Status:	
LOCATION OF WATER RIGHT*** (Points of	of Diversion: Click on Loca	ation to access PLAT Program ************************************	D VIEWED
FLOW: COUNTY: Emery COMMON DESCRIP	SOURCE: Le	oft Fork Whitmore Canyon Creek	**************************************
COMMENT:	nm from a point at N 660 ft a point at N 660 ft. W 660 Administratively updated b	W 660 ft. from S4 corner, Sec 35, T13S, I ft. from S4 corner, Sec 35, T13S, R13E, SLi by State Engineer.	BM.
USES OF WATER RIGHT ****** ELU	Equivalent Livestock Unit	(cow, horse, etc.) ******* EDU Equivale	ent Domestic Unit or 1 Family





(WARNING: Water Rights makes NO claims as to the accuracy of this data.) RUN DATE: 01/26/2011 WATER RIGHT: 91-1687 APPLICATION/CLAIM NO.: CERT. NO.:
OWNERSHIP************************************
NAME: W. Lavon & Marianne W. Day ADDR: Castle Dale UT REMARKS: joint tenants
DATES, ETC.************************************
LAND OWNED BY APPLICANT? Yes COUNTY TAX ID#: FILED: FRIORITY: 00/00/1869 PUB BEGAN: IPUB ENDED: INEWSPAPER: ProtestEnd: PROTESTED: [No
The state of the s
LOCATION OF WATER RIGHT***(Points of Diversion: Click on Location to access PLAT Program.)************************************
FLOW: SOURCE: Spring Stream COUNTY: Emery COMMON DESCRIPTION:
POINT OF DIVERSION POINT TO FOINT: (1)Stockwatering directly on stream from a point at S 660 ft. W 660 ft. from NE corner, Sec 22, T13S, R13E, SLBM,
USES OF WATER RIGHT******* ELU Equivalent Livestock Unit (cow, horse, etc.) ******** EDU Equivalent Domestic Unit or 1 Family
SUPPLEMENTAL GROUP NO.: 614121. Water Rights Appurtenant to the following use(s): 91-1661(DIL), 1662(DIL), 1664(DIL), 1665(DIL), 1666(DIL) 1667(DIL), 1668(DIL), 1669(DIL), 1671(DIL), 1672(DIL) 1673(DIL), 1674(DIL), 1682(DIL), 1683(DIL), 1683(DIL), 1685(DIL) 1684(DIL), 1687(DIL), 1688(DIL), 1689(DIL), 1690(DIL) 1692(DIL), 1693(DIL), 1694(DIL), 1695(DIL), 1703(DIL) 1704(DIL), 1706(DIL), 1707(DIL), 1708(DIL), 1709(DIL) 3474(DIL), 3475(DIL), 3476(DIL), 3477(DIL), 3478(DIL) 3479(DIL), 3480(DIL), 3481(DIL), 3487(DIL), 3483(DIL) 3484(DIL), 3485(DIL), 3485(DIL), 3487(DIL), 3488(DIL) 3489(DIL), 3490(DIL), 3491(DIL), 3492(DIL), 3493(DIL) 3494(DIL), 3495(DIL), 3496(DIL), 3497(DIL), 3493(DIL)
STOCKWATER: Sole Supply: UNEVALUATED ELUS Group Total: 1000.0000 Div Limit: 15.0 acft. PERIOD OF USE: 01/01 TO 12/31 PLACE OF USE for STOCKWATERING************************************
NORTH-WEST4 NORTH-EAST4 SOUTH-WEST4 SOUTH-EAST4 NW NE SW SE NW NE SW SE NW NE SW SE Sec 22 T 13S R 13E SLBM * : : * * : X * : : * * : : * Sec 34 T 13S R 13E SLBM * : : * * : : X * : : * : : * **********

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STOCKWATER: Sole Supply: UNEVALUATED ELUS

Sec 34 T 13S R 13E SLBM

NORTH-WEST

NW NE SW SE



Div Limit: 15.0 acft.

SOUTH-EAST4

NW NE SW SE

Select Related Information (WARNING: Water Rights makes NO claims as to the accuracy of this data.) RUN DATE: 01/26/2011 APPLICATION/CLAIM NO.: CERT. NO.: NAME: W. Lavon & Marianne W. Day ADDR: Castle Dale UT REMARKS: joint tenants LAND OWNED BY APPLICANT? Yes COUNTY TAX ID#: FILED: | PRIORITY: 00/00/1869| PUB BEGAN: PUB ENDED: | NEWSPAPER: ProtestEnd:] | HEARNG HLD: | PROTESTED: [No ISE ACTION: [llActionDate: EXTENSION: [ELEC/PROOF:[|CERT/WUC: 03/08/1972|LAP, ETC:] | ELEC/PROOF: | LAPS LETTER: RUSH LETTR | RENOVATE: RECON REO: |TYPE: [PD BOOK: [91-5] | MAP: [57 *TYPE -- DOCUMENT -- STATUS-----] | PUB DATE: Type of Right: Diligence Claim Source of Info: Proposed Determination Status: FLOW: 0.011 cfs SOURCE: Unnamed Spring COUNTY: Emery COMMON DESCRIPTION: POINT OF DIVERSION: (1) Stockwatering directly on spring located at N 660 ft. W 660 ft. from E4 corner, Sec 34, T13S, R13E, SLBM. COMMENT: Administratively updated by State Engineer. USES OF WATER RIGHT****** ELU -- Equivalent Livestock Unit (cow, horse, etc.) ******* EDU -- Equivalent Domestic Unit or 1 Family SUPPLEMENTAL GROUP NO.: 614121. Water Rights Appurtenant to the following use(s): 91-1661(DIL), 1662(DIL), 1664(DIL), 1665(DIL), 1666(DIL), 1666(DIL), 1668(DIL), 1669(DIL), 1669(DIL), 1671(DIL), 1671(DIL), 1671(DIL), 1685(DIL), 1673(DIL), 1674(DIL), 1682(DIL), 1683(DIL), 1685(DIL), 1680(DIL), 1687(DIL), 1689(DIL), 1699(DIL), 1690(DIL), 1690(DIL), 1693(DIL), 1694(DIL), 1695(DIL), 1703(DIL), 1704(DIL), 1706(DIL), 1707(DIL), 1708(DIL), 1709(DIL), 1704(DIL), 1705(DIL), 170 3474 (DIL), 3475 (DIL), 3476 (DIL), 3477 (DIL), 3478 (DIL) 3479(DIL), 3480(DIL), 3481(DIL), 3482(DIL), 3483(DIL) 3484(DIL), 3485(DIL), 3486(DIL), 3487(DIL), 3488(DIL) 3489 (DIL), 3490 (DIL), 3491 (DIL), 3492 (DIL), 3493 (DIL) 3494 (DIL), 3495 (DIL), 3496 (DIL), 3497 (DIL), 3498 (DIL)

Group Total: 1000.0000

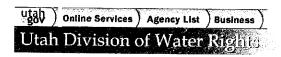
NORTH-EAST4

NW NE SW SE

: : : X*

SOUTH-WEST≒

NW NE SW SE * : : * PERIOD OF USE: 01/01 TO 12/31

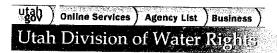


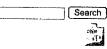


WATER RIGHT: 91-1693	APPLICATION/CLAIM	NO.: CERT	NO ·		ta.) RUN DATE: 01/26/2011
OWNERSHIP********	*********	**************************************	************	******	
	anne W. Day REMARKS: joint tenants				
DATES, ETC.*******	*****************	******	******	*****	*********
LAND OWNED BY APPLICAL FILED: ProtestEnd: EXTENSION: RUSH LETTR: PD BOOK: [91-5]	PRIORITY: 00/00/1869 PROTESTED: [No] ELEC/PROOF: [] RENOVATE:	COUNTY TAX ID#: PUB BEGAN: HEARNG HLD: ELEC/PROOF: RECON REQ: PUB DATE:	PUB ENDED: SE ACTION: [NEWSPAPER: ActionDate: 2/1968 LAP, ETC: 	PROOF DUE: LAPS LETTER:
Type of Right: Diliger	ce Claim	Source of Info: I	roposed Determinat	ion Status:	
LOCATION OF WATER RIGH	T*** (Points of Diversi	on: Click on Locati	on to access PLAT	Program *******	MAD UTEWEDALLER COM
F.TOM:	OMMON DESCRIPTION:	SOURCE: Left	Fork Whitmore Can	yon Creek	THE ENGLES OF SHARES OF SHARES
(1)Stockwatering dire	ctly on stream from a p to a point at COMMENT: Administra	N 660 ft. W 660 ft stively updated by	. from S4 corner, :	Sec 35, T13S, R13E,	SLBM.
USES OF WATER RIGHT***	***** ELU Equivalen:	t Livestock Unit (c	ow horse stall to	****** mnrr	alent Domestic Unit or 1 Family
SUPPLEMENTAL GROUP NO. 91-1661 (DIL), 1662 (DIL), 1667 (DIL), 1668 (DIL), 16 1673 (DIL), 1674 (DIL), 16 1686 (DIL), 1687 (DIL), 16 1692 (DIL), 1693 (DIL), 16 1704 (DIL), 1706 (DIL), 17 3474 (DIL), 3475 (DIL), 34 3479 (DIL), 3480 (DIL), 34 3484 (DIL), 3485 (DIL), 34 3489 (DIL), 3490 (DIL), 34	: 614121. Water Righ, ,1664(DIL),1665(DIL),16 69(DIL),1671(DIL),1672 82(DIL),1683(DIL),1685 88(DIL),1689(DIL),1699 94(DIL),1695(DIL),1709 94(DIL),1708(DIL),1709 76(DIL),3477(DIL),3478 81(DIL),3482(DIL),3483 86(DIL),3487(DIL),3483 91(DIL),3492(DIL),3493 96(DIL),3497(DIL),3498	ts Appurtenant to to to to to to to to to to to to to	the following use(s):	
STOCKWATER: Sole Sup	ply: UNEVALUATED ELUS	Group Total: 1	000 0000 0000		PERIOD OF USE: 01/01 TO 12/31
PLACE OF USE for STOCK	WATERING********	******	********	******	********
Soc 25 M 125 D 12D 010	NORTH-WEST¼ NW NE SW SE	NORTH-EAST4 NW NE SW SE	SOUTH-WEST4 NW NE SW SE	SOUTH-EAST14 NW NE SW SE	

Sec 22 T 13S R 13E SLBM

Sec 34 T 13S R 13E SLBM





(WARNING: Water Rights makes NO claims as to the accuracy of this data.) RUN DATE: 01/26/2011 WATER RIGHT: 91-1694 APPLICATION/CLAIM NO.: CERT. NO.: NAME: W. Lavon & Marianne W. Day ADDR: Castle Dale UT REMARKS: joint tenants LAND OWNED BY APPLICANT? Yes COUNTY TAX ID#: |PRIORITY: 00/00/1869|PUB BEGAN: PUB ENDED: INEWSPAPER: ProtestEnd: PROTESTED: [No] | HEARNG HLD: |SE ACTION: [] [ActionDate: PROOF DUE: EXTENSION: |ELEC/PROOF:[] | ELEC/PROOF: |CERT/WUC: 01/02/1968|LAP, ETC: RUSH LETTR: | LAPS LETTER: IRENOVATE: RECON REQ: TYPE: [PD BOOK: [91-5] | MAP: [46 1 | PUB DATE: *TYPE -- DOCUMENT -- STATUS-----Type of Right: Diligence Claim Source of Info: Proposed Determination Status: FLOW: SOURCE: Spring Stream COUNTY: Carbon COMMON DESCRIPTION: POINT OF DIVERSION -- POINT TO POINT: (1) Stockwatering directly on stream from a point at S 660 ft. W 660 ft. from NE corner, Sec 22, T13S, R13E, SLBM, to a point at N 660 ft. W 660 ft. from E4 corner, Sec 34, T13S, R13E, SLBM. COMMENT: Administratively updated by State Engineer. USES OF WATER RIGHT******* ELU -- Equivalent Livestock Unit (cow, horse, etc.) ******* EDU -- Equivalent Domestic Unit or 1 Family SUPPLEMENTAL GROUP NO.: 614121. Water Rights Appurtenant to the following use(s): 91-1661(DIL), 1662(DIL), 1664(DIL), 1665(DIL), 1666(DIL) 1667(DIL), 1668(DIL), 1669(DIL), 1671(DIL), 1672(DIL) 1673(DIL), 1674(DIL), 1682(DIL), 1683(DIL), 1685(DIL) 1686(DIL), 1687(DIL), 1688(DIL), 1689(DIL), 1690(DIL) 1692(DIL), 1693(DIL), 1694(DIL), 1695(DIL), 1703(DIL) 1704(DIL), 1706(DIL), 1707(DIL), 1708(DIL), 1709(DIL) 3474 (DIL), 3475 (DIL), 3476 (DIL), 3477 (DIL), 3478 (DIL) 3479(DIL), 3480(DIL), 3481(DIL), 3482(DIL), 3483(DIL) 3484(DIL), 3485(DIL), 3486(DIL), 3487(DIL), 3488(DIL) 3489(DIL), 3490(DIL), 3491(DIL), 3492(DIL), 3493(DIL) 3494 (DIL), 3495 (DIL), 3496 (DIL), 3497 (DIL), 3498 (DIL) STOCKWATER: Sole Supply: UNEVALUATED ELUS Group Total: 1000.0000 Div Limit: 15.0 acft. PERIOD OF USE: 01/01 TO 12/31

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NW NE SW SE

: X: : *

SOUTH-WEST¾

SOUTH-EAST

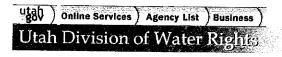
NW NE SW SE

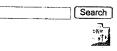
:

NORTH-WEST-

NW NE SW SE

: : :



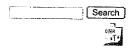


Select Related Information	

WATER RIGHT: 91-1695	er Rights makes	NO.: CERT.	NO.:			1/26/2011
OWNERSHIP************************************	*******	*************	******	******		********
NAME: W. Lavon & Marianne ADDR: Castle Dale UT REMAR	W. Day					1723 42
DATES, ETC. ***********		**************	***********		*******	======================================
ProtestEnd: PROT	RESTRICT CONTROL CON	DUNTY TAX ID#: JB BEGAN: EARNG HLD: EEC/PROOF: ECON REQ: JB DATE:	PUB ENDED: SE ACTION: [CERT/WUC: 01/02 TYPE: {	NEWSPAPER: ActionDate: 2/1968 LAP, ETC: 	iPROOF DU	
						·=====================================
LOCATION OF WATER RIGHT***	(Points of Diversion	1: Click on Locatio	to access PLAT F	?rogram.)**********	MAP VIEWER***	******
FLOW: 0.011 CIS	N DESCRIPTION:	SOURCE: Unnam	ed Spring			
POINT OF DIVERSION: (1)Stockwatering directly						
JSES OF WATER RIGHT******						
SUPPLEMENTAL GROUP NO.: 61 91-1661(DIL),1662(DIL),1666 1667(DIL),1668(DIL),1669(DIL),1668(DIL),1668(DIL),1688(DIL),1688(DIL),1688(DIL),1688(DIL),1688(DIL),1688(DIL),1694(DIL),1692(DIL),1707(DIL),1707(DIL),1707(DIL),1707(DIL),1707(DIL),1707(DIL),1707(DIL),1708(DIL),1707(DIL),1708(DIL),1	4121. Water Rights 4(DIL), 1665(DIL), 1665 (IL), 1671(DIL), 1672 (DIL), 1683 (DIL), 1685 (DIL), 1685 (DIL), 1685 (DIL), 1695 (DIL), 1695 (DIL), 1703 (DIL), 1708 (DIL), 1709 (DIL), 3477 (DIL), 3478 (DIL), 3488 (DIL), 3487 (DIL), 3487 (DIL), 3483 (DIL), 3487 (DIL), 3483 (DIL), 3482 (DIL), 3483 (DIL), 3483 (DIL), 3483 (DIL), 3483 (DIL), 3483 (DIL), 3483 (DIL), 3483 (DIL), 3483 (DIL), 3493 (RAPPURTENANT to the G(DIL) LL) LL) LL) LL) LL) LL) LL) LL) LL)				
STOCKWATER: Sole Supply:		Group Total: 100	0.0000 Div Lin		PERTOD OF USE: ()1/01 TO 12/31
LACE OF USE for STOCKWATER	RING**************	**********	******	*****		**********
ec 34 T 13S R 13E SLBM ************************************	NORTH-WEST4 NW NE SW SE * : : * ******************************	NORTH-EAST*4 NW NE SW SE * : : X* ******************************	SOUTH-WEST% NW NE SW SE * : : * ****************************	COUPH-PACES	******	******
		· · · · · · · · · · · · · · · · · · ·		· * * * * * * * * * * * * * * * * * * *		

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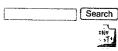
(WARNING: Water Rights makes NO claims as to the accuracy of this data.) RUN DATE: 01/26/2011

APPLICATION/CLAIM NO.: CERT. NO.: NAME: W. Lavon & Marianne W. Day ADDR: Castle Dale UT REMARKS: joint tenants LAND OWNED BY APPLICANT? Yes COUNTY TAX ID#: FILED: PRIORITY: 00/00/1869|PUB BEGAN: IPUB ENDED: | NEWSPAPER: ProtestEnd: | PROTESTED: [No] | HEARNG HLD:] | ActionDate: ISE ACTION: [I PROOF DUE: EXTENSION: |ELEC/PROOF: { [CERT/WUC: 12/08/1967|LAP, ETC:] | ELEC/PROOF: RUSH LETTR: | RENOVATE: | RECON REQ: |TYPE: [] | PUB DATE: Type of Right: Diligence Claim Source of Info: Proposed Determination Status: FLOW: SOURCE: Left Fork Whitmore Canyon Creek COUNTY: Carbon COMMON DESCRIPTION: POINT OF DIVERSION -- POINT TO POINT: (1)Stockwatering directly on stream from a point at N 660 ft. W 660 ft. from S4 corner, Sec 35, T13S, R13E, SLBM, to a point at N 660 ft. W 660 ft. from S4 corner, Sec 35, T13S, R13E, SLBM.

COMMENT: Administratively updated by State Engineer. USES OF WATER RIGHT******* ELU -- Equivalent Livestock Unit (cow, horse, etc.) ******* EDU -- Equivalent Domestic Unit or 1 Family SUPPLEMENTAL GROUP NO.: 614121. Water Rights Appurtenant to the following use(s): 91-1661(DIL), 1662(DIL), 1664(DIL), 1665(DIL), 1666(DIL)
1667(DIL), 1668(DIL), 1669(DIL), 1671(DIL), 1672(DIL)
1673(DIL), 1674(DIL), 1682(DIL), 1683(DIL), 1683(DIL), 1685(DIL)
1686(DIL), 1687(DIL), 1688(DIL), 1688(DIL), 1699(DIL), 1699(DIL)
1692(DIL), 1693(DIL), 1694(DIL), 1695(DIL), 1703(DIL)
1704(DIL), 1706(DIL), 1703(DIL), 1704(DIL 1704(DIL), 1706(DIL), 1707(DIL), 1708(DIL), 1709(DIL) 3474(DIL), 3475(DIL), 3476(DIL), 3477(DIL), 3478(DIL) 3479(DIL), 3480(DIL), 3481(DIL), 3482(DIL), 3483(DIL) 3484 (DIL), 3485 (DIL), 3486 (DIL), 3487 (DIL), 3488 (DIL) 3489 (DIL), 3490 (DIL), 3491 (DIL), 3492 (DIL), 3493 (DIL) 3494 (DIL), 3495 (DIL), 3496 (DIL), 3497 (DIL), 3498 (DIL) STOCKWATER: Sole Supply: UNEVALUATED ELUS Group Total: 1000.0000 Div Limit: 15.0 acft. PERIOD OF USE: 01/01 TO 12/31 NORTH-WEST NORTH-EAST% SOUTH-EAST NW NE SW SE NW NE SW SE NW NE SW SE Sec 35 T 13S R 13E SLRM

> Utah Division of Water Rights | 1594 West North Temple Suite 220, P.O. Box 146300, Sait Lake City, Utah 84114-6300 | 801-538-7240 <u>Natural Resources</u> | <u>Contact</u> | <u>Disclaimer</u> | <u>Privacy Policy</u> | <u>Accessibility Policy</u> | <u>Emergency Eyacuation Plan</u>

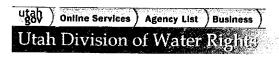


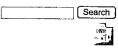


WATER RIGHT: 91-1708 APPLICATION/CLAIM NO.:	ims as to the accuracy of this data.) RUN DATE: 01/26/2011 CERT. NO.:
OMMDDDDTE	*******************************

NAME: W. Lavon & Marianne W. Day ADDR: Castle Dale UT REMARKS: joint tenants LAND OWNED BY APPLICANT? Yes COUNTY TAX ID#: FILED: |PRIORITY: 00/00/1869|PUB BEGAN: I PUB ENDED: ProtestEnd: | PROTESTED: [No] | HEARNG HLD: ISE ACTION: [] |ActionDate: | PROOF DUE: EXTENSION: |ELEC/PROOF:[] | ELEC/PROOF: |CERT/WUC: 12/08/1967|LAP, ETC: RUSH LETTR: RENOVATE: IRECON REQ: |TYPE: [PD BOOK: [91-5] | MAP: [46 | *TYPE -- DOCUMENT -- STATUS----] | PUB DATE: Type of Right: Diligence Claim Source of Info: Proposed Determination Status: FLOW: SOURCE: Spring Stream COUNTY: Carbon COMMON DESCRIPTION: POINT OF DIVERSION -- POINT TO POINT: (1) Stockwatering directly on stream from a point at S 660 ft. W 660 ft. from NE corner, Sec 22, T13S, R13E, SLBM, to a point at N 660 ft. W 660 ft. from E4 corner, Sec 34, T13S, R13E, SLBM. COMMENT: Administratively updated by State Engineer. SOURCE: Spring Stream USES OF WATER RIGHT ******* ELU -- Equivalent Livestock Unit (cow, horse, etc.) ******* EDU -- Equivalent Domestic Unit or 1 Family

SUPPLEMENTAL GROUP NO.: 614121. Water Rights Appurtenant to the following use(s): 91-1661(DIL), 1662(DIL), 1664(DIL), 1665(DIL), 1666(DIL)
1667(DIL), 1668(DIL), 1669(DIL), 1671(DIL), 1672(DIL)
1673(DIL), 1674(DIL), 1682(DIL), 1683(DIL), 1685(DIL)
1686(DIL), 1687(DIL), 1688(DIL), 1689(DIL), 1690(DIL)
1692(DIL), 1693(DIL), 1694(DIL), 1695(DIL), 1703(DIL)
1704(DIL), 1706(DIL), 1707(DIL), 1708(DIL), 1709(DIL)
3474(DIL), 3475(DIL), 3476(DIL), 3477(DIL), 3478(DIL)
3479(DIL), 3480(DIL), 3486(DIL), 3487(DIL), 3488(DIL)
3484(DIL), 3495(DIL), 3486(DIL), 3487(DIL), 3493(DIL)
3489(DIL), 3490(DIL), 3491(DIL), 3492(DIL), 3493(DIL)
3494(DIL), 3495(DIL), 3496(DIL), 3497(DIL), 3498(DIL) STOCKWATER: Sole Supply: UNEVALUATED ELUS Group Total: 1000.0000 Div Limit: 15.0 acft. PERIOD OF USE: 01/01 TO 12/31 NORTH-WEST≒ NORTH-EAST₩ SOUTH-WEST NW NE SW SE NW NE SW SE NW NE SW SE NW NE SW SE Sec 22 T 13S R 13E SLBM * : : : * * : X: : * : : : : : : Sec 34 T 13S R 13E SLBM * : : * *





Select Relat	ed Information		
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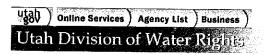
	******		*****	****	
***************************************					****************************
NAME: W. Lavon & Marianne W ADDR: Castle Dale UT REMARK	S: joint tenants				
DATES, ETC. ***********	*****	************	**********	*******	**********
ProtestEnd:	S ITY: 00/00/1869 STED: [No] PROOF: [] ATE:	COUNTY TAX ID#: PUB BEGAN: HEARNG HLD: ELEC/PROOF: RECON REQ: PUB DATE:	PUB ENDED: ISE ACTION: [ICERT/WUC: 12/06 TYPE: [NEWSPAPER: ActionDate: 8/1967 LAP, ETC: 	
Type of Right: Diligence Cl		Source of Info:	Proposed Determinat:	ion Status	=======================================
LOCATION OF WATER RIGHT*** (Points of Diversi	on: Click on Locat	ion to access PLAT 1	2rogram 1********	MAD VIEWER
POINT OF DIVERSION: (1)Stockwatering directly (MMENT: Administr	atively updated by	0 ft. from E4 corner		E, SLBM.
USES OF WATER RIGHT******	ELU Equivaler	t Livestock Unit /	cow horse etc \ to	***** WINT . W	and a second control of the second control o
SUPPLEMENTAL GROUP NO.: 614 91-1661 (DIL), 1662 (DIL), 1669 1667 (DIL), 1668 (DIL), 1669 (DII 1673 (DIL), 1667 (DIL), 1669 (DII 1692 (DIL), 1687 (DIL), 1688 (DII 1692 (DIL), 1693 (DIL), 1694 (DII 1704 (DIL), 1706 (DIL), 1707 (DII 3474 (DIL), 3475 (DIL), 3476 (DII 3479 (DIL), 3485 (DIL), 3486 (DII 3489 (DIL), 3495 (DIL), 3491 (DII	121. Water Rigi DIL), 1665 (DIL), 1 , 1, 667 (DIL), 1672 , 1689 (DIL), 1689 , 1, 1689 (DIL), 1690 , 1, 1708 (DIL), 1709 , 1, 1708 (DIL), 3479 , 3482 (DIL), 3483 , 3487 (DIL), 3488 , 3487 (DIL), 3488 , 3487 (DIL), 3488	nt Livestock Unit (ints Appurtenant to 666(DIL) (DIL) (DIL) (DIL) (DIL) (DIL) (DIL) (DIL) (DIL) (DIL) (DIL) (DIL) (DIL) (DIL) (DIL) (DIL) (DIL) (DIL) (DIL)	cow, horse, etc.) **	***** EDU Equiv	-1
USES OF WATER RIGHT******* SUPPLEMENTAL GROUP NO.: 614 91-1661 (DIL), 1662 (DIL), 1669 (DIL) 1673 (DIL), 1667 (DIL), 1688 (DIL) 1686 (DIL), 1687 (DIL), 1688 (DIL) 1692 (DIL), 1693 (DIL), 1707 (DIL) 3474 (DIL), 1706 (DIL), 1707 (DIL) 3479 (DIL), 3495 (DIL), 3486 (DIL) 3489 (DIL), 3490 (DIL), 3491 (DIL) 3489 (DIL), 3490 (DIL), 3491 (DIL) 3494 (DIL), 3495 (DIL), 3496 (DIL)	121. Water Rigi DIL), 1665 (DIL), 1), 1671 (DIL), 1673 (DIL), 1683 (DIL), 1683 (DIL), 1684 (DIL), 1697 (DIL), 1697 (DIL), 1697 (DIL), 1698 (DIL), 1709 (DIL), 1709 (DIL), 3477 (DIL), 3487 (DIL), 3488 (DIL), 3493 (DIL), 3493 (DIL), 3497 (DIL), 3498 (DIL), 3497 (DIL), 3498 (DIL), 3497 (DIL), 3498 (DIL), 349	nts Appurtenant to 666(DIL) (DIL)	the following use(s	****** EDU Equiv :	
USES OF WATER RIGHT******* SUPPLEMENTAL GROUP NO.: 614 91-1661 (DIL), 1662 (DIL), 1669 (DIL) 16673 (DIL), 1668 (DIL), 1669 (DIL) 16673 (DIL), 1667 (DIL), 1682 (DII 1692 (DIL), 1687 (DIL), 1694 (DII 1704 (DIL), 1706 (DIL), 1707 (DII 3474 (DIL), 3475 (DIL), 3476 (DII 3479 (DIL), 3485 (DIL), 3486 (DII 3489 (DIL), 3493 (DIL), 3481 (DII 3494 (DIL), 3495 (DIL), 3496 (DII 3494 (DIL), 3495 (DIL), 3496 (DII STOCKWATER: SOLE SUPPLY: U	121. Water Rigi DIL), 1665 (DIL), 1), 1671 (DIL), 1672), 1689 (DIL), 1692), 1689 (DIL), 1692), 1689 (DIL), 1703), 1708 (DIL), 1703), 1708 (DIL), 1703), 3477 (DIL), 3483), 3487 (DIL), 3488), 3487 (DIL), 3498), 3497 (DIL), 3498 NEVALUATED ELUS NG***********************************	tt Livestock Unit (nts Appurtenant to 666(DIL) (DIL)	the following use(s	***** EDU Equiv :: :: :: :: :: :: :: :: :: :: :: :: ::	alent Domestic Unit or 1 Family

Utah Division of Water Rights | 1594 West North Temple Suite 220, P.O. Box 146300, Salt Lake City, Utah 84114-6300 | 801-538-7240 | Natural Resources | Contact | Disclaimer | Privacy Policy | Accessibility Policy | Emergency Evacuation Plan



(WARNING: Water Rights makes NO claims as to the accuracy of this data.) RUN DATE: 01/26/2011 APPLICATION/CLAIM NO.: NAME: Ralph Stevenson ADDR: P. O. Box 52 Wellington UT 84542 INTEREST: UNDV% REMARKS: joint tenants NAME: Glen Wells ADDR: P. O. Box 52 Wellington UT 84542 INTEREST: UNDV% REMARKS: joint tenants LAND OWNED BY APPLICANT? Yes COUNTY TAX ID#: FILED: |PRIORITY: 00/00/1869|PUB BEGAN: PUB ENDED: INEWSPAPER: ProtestEnd: | PROTESTED: [No | ELEC/PROOF: [] | HEARNG HLD: | SE ACTION: [] |ActionDate: I PROOF DUE: EXTENSION:] | ELEC/PROOF: |CERT/WUC: 07/03/1967|LAP, ETC: |LAPS LETTER: RUSH LETTR: | RENOVATE: RECON REQ: TYPE: { PD BOOK: [91-5] |MAP: [57 | 3] | PUB DATE: Type of Right: Diligence Claim Source of Info: Proposed Determination Status: FLOW: SOURCE: Bear Canyon Spring Stream COUNTY: Carbon COMMON DESCRIPTION: POINT OF DIVERSION -- POINT TO POINT: (1) Stockwatering directly on stream from a point at S 660 ft. E 1980 ft. from W4 corner, Sec 34, T13S, R13E, SLBM, to a point at S 660 ft. E 660 ft. from NW corner, Sec 03, T14S, R13E, SLBM. COMMENT: Administratively updated by State Engineer. <u>USES OF WATER RIGHT</u>******* ELU -- Equivalent Livestock Unit (cow, horse, etc.) ******* EDU -- Equivalent Domestic Unit or 1 Family SUPPLEMENTAL GROUP NO.: 614137. Water Rights Appurtenant to the following use(s): 91-1717 (DIL), 1719 (DIL), 1720 (DIL), 1721 (DIL), 1722 (DIL) 1724 (DIL), 1725 (DIL), 1726 (DIL), 3253 (DIL) STOCKWATER: Sole Supply: UNEVALUATED ELUS Group Total: 120.0000 Div Limit: 3.36 acft. PERIOD OF USE: 04/15 TO 10/31 SUPPLEMENTAL GROUP NO.: 615674. Water Rights Appurtenant to the following use(s): 91-1717(DIL),1719(DIL),1720(DIL),1721(DIL),1722(DIL)
1724(DIL),1725(DIL),1726(DIL),3253(DIL),4795(PAC)
4796(PAC),4797(PAC),4798(PAC) Group Total: 120.0000 STOCKWATER: Sole Supply: UNEVALUATED ELUS PERIOD OF USE: 04/15 TO 10/31 Div Limit: NORTH-WEST¾ NORTH-EAST₩ SOUTH-WEST NW NE SW SE NW NE SW SE NW NE SW SE NW NE SW SE * : X: : * Sec 34 T 13S R 13E SLBM * : : : * * * X: : : * * : : :

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Select Related Information	•
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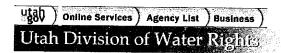
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	APPLICATION/CLAIM				
	:****************** :==================	***********	*******	********	*******
AME: Ralph Stevenson DDR: P. O. box 52 Wellington UT 84542 NTEREST: UNDV% REMARK	S: joint tenants				
	S: joint tenants				
ATES, ETC.***********	******	******	****		
AND OWNED BY APPLICANT? YE ILED:   PRIOR rotestEnd:   PROTE	S CO ITY: 00/00/1869 P STED: [No ]   HI PROOF: [ ]   E ATE:   RI [57 ]   P	OUNTY TAX ID#: UB BEGAN: LEARNG HLD: LEC/PROOF: ECON REQ: UB DATE:	(PUB ENDED:	NEWSPAPER:	PROOF DUE:  LAPS LETTER:
ype of Right: Diligence Cla	aim	Source of Info:	Proposed Determina	tion Status:	
CATION OF WATER RIGHT*** ()	Points of Diversion	n: Click on Locat	ion to access PLAT	Drogram 1++++++++M7	AP VIEWER************
CATION OF WATER RIGHT***()  LOW: DUNTY: Carbon COMMON  OINT OF DIVERSION POINT  1) Stockwatering directly (	Points of Diversion  DESCRIPTION:  TO POINT: on stream from a point at 5	SOURCE: Unn soint at S 660 ft. S 660 ft. W 660 ft.	w 660 ft. from NE from NE corner,	Program.)************************************	AP VIEWER***********************************
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CATION OF WATER RIGHT***()  COM:  UNTY: Carbon COMMON  INT OF DIVERSION POINT  1) Stockwatering directly of the common of the common of the common of the common of the common of the common of the common of the common of the common of the common of the common of the common of the common of the common of the common of the common of the common of the common of the common of the common of the common of the common of the common of the common of the common of the common of the common of the common of the common of the common of the common of the common of the common of the common of the common of the common of the common of the common of the common of the common of the common of the common of the common of the common of the common of the common of the common of the common of the common of the common of the common of the common of the common of the common of the common of the common of the common of the common of the common of the common of the common of the common of the common of the common of the common of the common of the common of the common of the common of the common of the common of the common of the common of the common of the common of the common of the common of the common of the common of the common of the common of the common of the common of the common of the common of the common of the common of the common of the common of the common of the common of the common of the common of the common of the common of the common of the common of the common of the common of the common of the common of the common of the common of the common of the common of the common of the common of the common of the common of the common of the common of the common of the common of the common of the common of the common of the common of the common of the common of the common of the common of the common of the common of the common of the common of the common of the common of the common of the common of the common of the common of the common of the common of the common of the common of the common of the common of the common of the	DESCRIPTION:  TO POINT: On stream from a po to a point at s  OMMENT: Administrat  ELU Equivalent  (137. Water Right: (DIL), 1721 (DIL), 172 L), 3253 (DIL)  UNEVALUATED ELUS  (674. Water Right: (DIL), 1721 (DIL), 172 L), 3253 (DIL), 4795 (F L)  UNEVALUATED ELUS	SOURCE: Unn SOURCE: Unn oint at S 660 ft. 3 660 ft. w 660 ft. 4 fively updated by Livestock Unit ( S Appurtenant to (2 (DIL) S Appurtenant to (2 (DIL)  Group Total:  Group Total:	ion to access PLAT  amed Stream  W 660 ft. from NE tt. from NE corner, State Engineer.  cow, horse, etc.)  the following use(	Corner, Sec 33, T13S, 13 Sec 33, T13S, R13E, SL1  ******* EDV Equival:  s):  imit: 3.36 acft. I	R13E, SLEM, BM.  ent Domestic Unit or 1 Famil  PERIOD OF USE: 04/15 TO 10/3
CATION OF WATER RIGHT***()  COW:  UNTY: Carbon COMMON  DINT OF DIVERSION POINT  1) Stockwatering directly of  ES OF WATER RIGHT*******  PPLEMENTAL GROUP NO.: 614  -1717(DIL), 1719(DIL), 1726(DII)  STOCKWATER: Sole Supply: U  PPLEMENTAL GROUP NO.: 615  -1717(DIL), 1719(DIL), 1726(DII)  24(DIL), 1725(DIL), 1726(DII)  96(PAC), 4797(PAC), 4798(PAC)  STOCKWATER: Sole Supply: U  ACE OF USE for STOCKWATERI	DESCRIPTION:  TO POINT: on stream from a po to a point at 5  OMMENT: Administrat  ELU Equivalent  137. Water Right: (DIL),1721(DIL),172 L),3253(DIL)  JNEVALUATED ELUS  1574. Water Right: (DIL),1721(DIL),172 L),3253(DIL)  JNEVALUATED ELUS  1011.	SOURCE: Unn Source: Unn Source: Unn Soint at S 660 ft. Source: W 660 ft. Source: W 660 ft. Source: W 660 ft. Source: W 660 ft. Source: W 660 ft. Source: W 660 ft. Source: W 660 ft. Source: W 660 ft. Source: W 660 ft. Source: W 660 ft. Source: W 660 ft. Source: W 660 ft. Source: W 660 ft. Source: W 660 ft. Source: W 660 ft. Source: W 660 ft. Source: W 660 ft. Source: W 660 ft. Source: W 660 ft. Source: W 660 ft. Source: W 660 ft. Source: W 660 ft. Source: W 660 ft. Source: W 660 ft. Source: W 660 ft. Source: W 660 ft. Source: W 660 ft. Source: W 660 ft. Source: W 660 ft. Source: W 660 ft. Source: W 660 ft. Source: W 660 ft. Source: W 660 ft. Source: W 660 ft. Source: W 660 ft. Source: W 660 ft. Source: W 660 ft. Source: W 660 ft. Source: W 660 ft. Source: W 660 ft. Source: W 660 ft. Source: W 660 ft. Source: W 660 ft. Source: W 660 ft. Source: W 660 ft. Source: W 660 ft. Source: W 660 ft. Source: W 660 ft. Source: W 660 ft. Source: W 660 ft. Source: W 660 ft. Source: W 660 ft. Source: W 660 ft. Source: W 660 ft. Source: W 660 ft. Source: W 660 ft. Source: W 660 ft. Source: W 660 ft. Source: W 660 ft. Source: W 660 ft. Source: W 660 ft. Source: W 660 ft. Source: W 660 ft. Source: W 660 ft. Source: W 660 ft. Source: W 660 ft. Source: W 660 ft. Source: W 660 ft. Source: W 660 ft. Source: W 660 ft. Source: W 660 ft. Source: W 660 ft. Source: W 660 ft. Source: W 660 ft. Source: W 660 ft. Source: W 660 ft. Source: W 660 ft. Source: W 660 ft. Source: W 660 ft. Source: W 660 ft. Source: W 660 ft. Source: W 660 ft. Source: W 660 ft. Source: W 660 ft. Source: W 660 ft. Source: W 660 ft. Source: W 660 ft. Source: W 660 ft. Source: W 660 ft. Source: W 660 ft. Source: W 660 ft. Source: W 660 ft. Source: W 660 ft. Source: W 660 ft. Source: W 660 ft. Source: W 660 ft. Source: W 660 ft. Source: W 660 ft. Source: W 660 ft. Source: W 660 ft. Source: W 660 ft. Source: W 660 ft. Source: W 660 ft. Source: W 660 ft. Source: W 660 ft. Source: W 660 ft. Source: W 660 ft. Source: W 660 ft. Source: W 660 ft. Source: W 660 ft. Source: W 6	ion to access PLAT  amed Stream  W 660 ft. from NE t. from NE corner, State Engineer.  cow, horse, etc.)  the following use (  120.0000 Div I  120.0000 Div I	Corner, Sec 33, T13S, 13 Sec 33, T13S, R13E, SL1 ******** EDU Equivale ******** EDU Equivale ***********  imit: 3.36 acft. I	AP VIEWER***********************************

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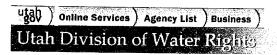


(WARNING: Water Rights makes NO WATER RIGHT: 91-1722 APPLICATION/CLAIM NO.:	claims as to the	accuracy of this da	ata.) RUN DATE: 01/26/2011
OWNERSHIP************************************	*********	**********	**********************
NAME: Ralph Stevenson ADDR: P. O. Box 52 Wellington UT 84542 INTEREST: UNDV% REMARKS:		10 30 4 5 4 8 4 7 7 7 7 7 6 6 6 6 6 6 6 6 6 6 6 6 6 6	
NAME: Glen Wells ADDR: P. O. Box 52 Wellington UT 84542 NTEREST: UNDV% REMARKS:		·	
DATES, ETC.************************************			
PRIORITY: 00/00/1869 PUB BE   PROTESTED: NO	TAX ID#:  :GAN:	ED:   NEWSPAPER: ON: [   ]  ActionDate: C: 07/03/1967 LAP, ETC:	
OCATION OF WATER RIGHT*** (Points of Diversion: Cl	ce of Info: Proposed De		
LOW: OUNTY: Carbon COMMON DESCRIPTION:	SOURCE: Bear Canyon Sp		**MAP VIEWER***********************************
COMMENT: Administratively	ft. E 660 ft. from NW v updated by State Engli	corner, Sec 03, T14S, R13E,	SLBM.
SES OF WATER RIGHT******** ELU Equivalent Live	stock Unit (cow horse	ata L diddiddid more m	
UPPLEMENTAL GROUP NO.: 614137. Water Rights App (1-1717(DIL),1719(DIL),1720(DIL),1721(DIL),1722(DIL) 724(DIL),1725(DIL),1726(DIL),3253(DIL)	ourtenant to the following	ng use(s):	1660 1660 1660 1660 1660 1660 1660 1660
STOCKWATER: Sole Supply: UNEVALUATED ELUS G	roup Total 120 0000	Div Limite 2 26 ands	DEDICE OF HER SALES TO THE
UPPLEMENTAL GROUP NO.: 615674. Water Rights App 1-1717(DIL),1719(DIL),1720(DIL),1721(DIL),1722(DI 724(DIL),1725(DIL),1726(DIL),3253(DIL),4795(PAC) 796(PAC),4797(PAC),4798(PAC)	urtenant to the followi	ng use(s):	
STOCKWATER: Sole Supply: UNEVALUATED ELUS G	roup Total: 120.0000	Div Limit:	PERIOD OF USE: 04/15 TO 10/31



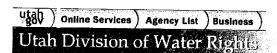


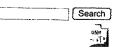
(WARNING: Water Rights makes NO claims as to the accuracy of this data.) RUN DATE: 01/26/2011 WATER RIGHT: 91-1725 APPLICATION/CLAIM NO.: CERT. NO.:
OWNERSHIP************************************
NAME: Ralph Stevenson ADDR: P. O. Box 52 Wellington UT 84542 INTEREST: UNDV% REMARKS:
NAME: Glen Wells ADDR: P. O. Box 52 Wellington UT 84542 INTEREST: UNDV% REMARKS:
DATES, ETC.************************************
LAND OWNED BY APPLICANT? YES COUNTY TAX ID#:  FILED:   PRIORITY: 00/00/1869  PUB BEGAN:   PUB ENDED:   INEWSPAPER:  ProtestEnd:   PROTESTED: [No
Type of Right: Diligence Claim Source of Info: Proposed Determination Status
LOCATION OF WATER RIGHT*** (Points of Diversion: Click on Location to access PLAT Program.) ************************************
FLOW: SOURCE: Unnamed Stream COUNTY: Carbon COMMON DESCRIPTION;
POINT OF DIVERSION POINT TO POINT: ( 1)Stockwatering directly on stream from a point at S 660 ft. W 660 ft. from NE corner, Sec 33, T13S, R13E, SLBM, to a point at S 660 ft. W 660 ft. from NE corner, Sec 33, T13S, R13E, SLBM. COMMENT: Administratively updated by State Engineer.
USES OF WATER RIGHT******* ELU Equivalent Livestock Unit (cow, horse, etc.) ******* EDU Equivalent Domestic Unit or 1 Family





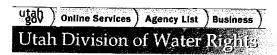
(WARNING: Water Rights makes NO claims as to the accuracy of this data.) RUN DATE: 01/26/2011 WATER RIGHT: 91-2014 APPLICATION/CLAIM NO.: CERT. NO.:
OWNERSHIP************************************
NAME: Frank Liddell ADDR: Post Office Box 106 Wellington UT 84542 INTEREST: 100% REMARKS:
DATES, ETC.************************************
LAND OWNED BY APPLICANT? Yes COUNTY TAX ID#:  FILED:   PRIORITY: 00/00/1869 PUB BEGAN:   PUB ENDED:   NEWSPAPER:  ProtestEnd:   PROTESTED:   No
ype of Right: Diligence Claim Source of Info: Proposed Determination Status:
ACCATION OF WATER RIGHT*** (Points of Diversion: Click on Location to access PLAT Program )
FLOW: 0.011 cfs SOURCE: Unnamed Spring COUNTY: Carbon COMMON DESCRIPTION:
POINT OF DIVERSION: (1)Stockwatering directly on spring located at N 660 ft. W 660 ft. from S4 corner, Sec 01, T14S, R13E, SLBM.  COMMENT: Administratively updated by State Engineer.
SES OF WATER RIGHT****** ELU Equivalent Livestock Unit (cow, horse, etc.) ******* EDU Equivalent Domestic Unit or 1 Family

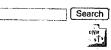




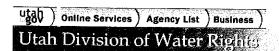
Select Related Information	

(WARNING: Water Rights makes NO claims as to the accuracy of this data.) RUN DATE: 01/26/2011 WATER RIGHT: 91-2015 APPLICATION/CLAIM NO.: CERT. NO.:
OWNERSHID************************************
NAME: Frank Liddell ADDR: Post Office Box 106 Wellington UT 84542 INTEREST: 100% REMARKS:
/41266, 610.************************************
COUNTY TAX ID#: FILED:  PRIORITY: 00/00/1869 PUB BEGAN:  PUB ENDED:  NEWSPAPER: ProtestEnd:  PROTESTED: [No ] HEARNG HLD:  SE ACTION: [ ] ActionDate:  PROOF DUE: EXTENSION:  ELEC/PROOF:    ELEC/PROOF:  CERT/WUC: 10/13/1965 LAP, ETC:  LAPS LETTER: PD BOOK: [91-5 ] MAP: [57 ] PUB DATE:  TYPE DOCUMENT STATUS
Type of Right: Diligence Claim Source of Info: Proposed Determination Status:
ACCATION OF WATER RIGHT*** (Points of Diversion: Click on Location to access PLAT Program ) ***********************************
COUNTY: Carbon COMMON DESCRIPTION:
POINT OF DIVERSION: 1) Stockwatering directly on spring located at N 660 ft. W 660 ft. from S4 corner, Sec 01, T14S, R13E, SLBM. COMMENT: Administratively updated by State Engineer.
SES OF WATER RIGHT******* ELU Equivalent Livestock Unit (cow, horse, etc.) ******* EDU Equivalent Domestic Unit or 1 Family





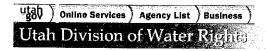
(WARNING: Water Rights makes NO claims as to the accuracy of this data.) WATER RIGHT: 91-2016 APPLICATION/CLAIM NO.: CERT. NO.:	RUN DATE: 01/26/2011
OWNERSHIP************************************	=======================================
NAME: Frank Liddell ADDR: Post Office Box 106 Wellington UT 84542 INTEREST: 100% REMARKS:	
DATES, ETC.************************************	***************
LAND OWNED BY APPLICANT? Yes COUNTY TAX ID#:  FILED:	PROOF DUE:  LAPS LETTER:
Type of Right: Diligence Claim Source of Info: Proposed Determination Status:	
LOCATION OF WATER RIGHT*** (Points of Diversion: Click on Location to access PLAT Program ) ***********************************	VIEWED
FLOW: 0.011 cfs SOURCE: Unnamed Spring COUNTY: Carbon COMMON DESCRIPTION:	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
POINT OF DIVERSION: (1)Stockwatering directly on spring located at N 660 ft. W 660 ft. from E4 corner, Sec 01, T14S, R13E, S  COMMENT: Administratively updated by State Engineer.	
USES OF WATER RIGHT******* ELU Equivalent Livestock Unit (cow, horse, etc.) ******* EDU Equivalen	4 50





Select Related Information	

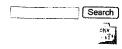
(WARNING: Water Rights makes NO claims as to the accuracy of this data.) RUN DATE: 01/26/2011 WATER RIGHT: 91-2034 APPLICATION/CLAIM NO.: CERT. NO.:
OWNERSHIP************************************
NAME: Jay Pagano ADDR: Wellington UT 84542 REMARKS: 55 elu's (supplemental)
DATES, ETC.************************************
COUNTY TAX ID#:  FILED:   PRIORITY: / /1869 PUB BEGAN:   PUB ENDED:   INEWSPAPER:  ProtestEnd:   PROTESTED: [No
Type of Right: Diligence Claim Source of Info: Proposed Determination Status:
OCATION OF WATER RIGHT*** (Points of Diversion: Click on Location to access PLAT Program.)************************************
FLOW: 0.011 cfs SOURCE: Unnamed Spring COUNTY: Carbon COMMON DESCRIPTION:
POINT OF DIVERSION: 1)Stockwatering directly on spring located at S 660 ft. E 660 ft. from W4 corner, Sec 35, T13S, R13E, SLBM. COMMENT: Administratively updated by State Engineer.
SES OF WATER RIGHT******* ELU Equivalent Livestock Unit (cow, horse, etc.) ******* EDU Equivalent Domestic Unit or 1 Family





OWNERSHIP***********	***************************************
	RKS: 55 elu's (supplemental)
DATES, ETC.**********	***************************************
LAND OWNED BY APPLICANT? FILED:   PR ProtestEnd:   PR EXTENSION:   ELL RUSH LETTR:   REI PD BOOK: [91-5     MA *TYPE DOCUMENT STA' Type of Right: Diligence	ORITY: / /1869 PUB BEGAN:  PUB ENDED:  NEWSPAPER:  ITESTED: [No   ] HEARNG HLD:  SE ACTION: [
	*(Points of Diversion: Click on Location to access PLAT Program.)************************************
FLOW: 0.011 cfs	SOURCE: Unnamed Spring
	y on spring located at S 660 ft. W 660 ft. from E4 corner, Sec 35, T13S, R13E, SLBM. COMMENT: Administratively updated by State Engineer.
USES OF WATER RIGHT*****	** ELU Equivalent Livestock Unit (cow. borse. etc.) ******* FDU Equivalent Deposite Weit and Weiter
UPPLEMENTAL GROUP NO.: <u>(</u> )1-300(DIL), 336 ()023(DIL), 2024(DIL), 2025 ()028(DIL), 2039(DIL), 2030 ()033(DIL), 2034(DIL), 2039(DIL), 2038(DIL), 2039(DIL), 2039(DIL), 2030	23387. Water Rights Appurtenant to the following use(s): DIL),2021(DIL),2022(DIL) DIL),2026(DIL),2027(DIL) DIL),2031(DIL),2032(DIL) DIL),2036(DIL),2037(DIL) DIL),2036(DIL),2037(DIL) DIL),2031(DIL),2037(DIL)
SIOCKWAILK: Sole Supply	: UNEVALUATED ELUS Group Total: 55.0000 Div Limit: PERIOD OF USE: 01/01 TO 12/31
UPPLEMÈNTAL GROUP NO.: <u>6</u> 1–2035 (DIL)	
STOCKWATER: Sole Supply	: UNEVALUATED ELUS Group Total: 55.0000 Div Limit: PERIOD OF USE: 01/01 TO 12/31
LACE OF USE for STOCKWAT	ERING************************************
ec 35 T 13S R 13E SLBM	NORTH-WEST4 NORTH-EAST4 SOUTH-WEST4 SOUTH-EAST4 NW NE SW SE NW NE SW SE NW NE SW SE * : : * * : : * * : : * * : : *
EGREGATION HISTORY*****	***************************************
his Right as originally	tiled:  LOW IN QUANTITY IN *

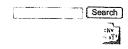




OWNERSHIP**************	*********	*********	*******		<del></del>			
						********	********	**********
NAME: Jay Pagano ADDR: Wellington UT 84542 REMARKS:	55 elu's (supplem	mental)						
						2 <b>222664</b> 2222		
DATES, ETC.**************				******	*********	**********	********	*******
LAND OWNED BY APPLICANT? YES FILED:   PRIORIT ProtestEnd:   PROTEST EXTENSION:   ELLEC/FR RUSH LETTR:   RENOVAT PD BOOK: [91-5     MAP: [ **TYPE DOCUMENT STATUS Type of Right: Diligence Clai:	Y: / /1869 PUB ED: [No ]   HEA OOF: [ ]   ELE E:   REC 57 ]   PUB	RNG HLD: C/PROOF: ON REQ: DATE:	TYPE; (	ON: [ IC: 10/15,	NEWSPA   Action  /1965 LAP, E	Date: TC:	PROOF    LAPS LI	ETTER;
**************************************	**************	ource of Info:		~~~~~~		atus: 	********	
LOCATION OF WATER RIGHT*** (PO	.nts of Diversion:	Click on Locat	ion to acce	ss PLAT Pr	ogram.)****	****** <u>MAP</u>	VIEWER**	********
FBOW: U.UII CIS	ESCRIPTION:	SOURCE: Unn	amed Spring					
POINT OF DIVERSION: ( 1)Stockwatering directly on COM	LENT: ADMINISTRATIO	velv undated by	State Prei	~~~				
USES OF WATER RIGHT******* E								
2023 (DIL), 2024 (DIL), 2025 (DIL), 2028 (DIL), 2029 (DIL), 2030 (DIL),	2026 (DIL), 2027 (DII 2031 (DIL), 2032 (DII	<u>L)</u> L)	the followi	ng use(s):				
1023 (DIL), 2024 (DIL), 2025 (DIL), 2025 (DIL), 2025 (DIL), 2025 (DIL), 2025 (DIL), 2026 (DIL), 2030 (DIL), 2031 (DIL), 2038 (DIL), 2039 (DIL), 2038 (DIL), 2039 (DIL), 2040 (DIL), 2040 (DIL), 2040 (DIL), 2040 (DIL), 2040 (DIL), 2040 (DIL), 2040 (DIL), 2040 (DIL), 2040 (DIL), 2040 (DIL), 2040 (DIL), 2040 (DIL), 2040 (DIL), 2040 (DIL), 2040 (DIL), 2040 (DIL), 2040 (DIL), 2040 (DIL), 2040 (DIL), 2040 (DIL), 2040 (DIL), 2040 (DIL), 2040 (DIL), 2040 (DIL), 2040 (DIL), 2040 (DIL), 2040 (DIL), 2040 (DIL), 2040 (DIL), 2040 (DIL), 2040 (DIL), 2040 (DIL), 2040 (DIL), 2040 (DIL), 2040 (DIL), 2040 (DIL), 2040 (DIL), 2040 (DIL), 2040 (DIL), 2040 (DIL), 2040 (DIL), 2040 (DIL), 2040 (DIL), 2040 (DIL), 2040 (DIL), 2040 (DIL), 2040 (DIL), 2040 (DIL), 2040 (DIL), 2040 (DIL), 2040 (DIL), 2040 (DIL), 2040 (DIL), 2040 (DIL), 2040 (DIL), 2040 (DIL), 2040 (DIL), 2040 (DIL), 2040 (DIL), 2040 (DIL), 2040 (DIL), 2040 (DIL), 2040 (DIL), 2040 (DIL), 2040 (DIL), 2040 (DIL), 2040 (DIL), 2040 (DIL), 2040 (DIL), 2040 (DIL), 2040 (DIL), 2040 (DIL), 2040 (DIL), 2040 (DIL), 2040 (DIL), 2040 (DIL), 2040 (DIL), 2040 (DIL), 2040 (DIL), 2040 (DIL), 2040 (DIL), 2040 (DIL), 2040 (DIL), 2040 (DIL), 2040 (DIL), 2040 (DIL), 2040 (DIL), 2040 (DIL), 2040 (DIL), 2040 (DIL), 2040 (DIL), 2040 (DIL), 2040 (DIL), 2040 (DIL), 2040 (DIL), 2040 (DIL), 2040 (DIL), 2040 (DIL), 2040 (DIL), 2040 (DIL), 2040 (DIL), 2040 (DIL), 2040 (DIL), 2040 (DIL), 2040 (DIL), 2040 (DIL), 2040 (DIL), 2040 (DIL), 2040 (DIL), 2040 (DIL), 2040 (DIL), 2040 (DIL), 2040 (DIL), 2040 (DIL), 2040 (DIL), 2040 (DIL), 2040 (DIL), 2040 (DIL), 2040 (DIL), 2040 (DIL), 2040 (DIL), 2040 (DIL), 2040 (DIL), 2040 (DIL), 2040 (DIL), 2040 (DIL), 2040 (DIL), 2040 (DIL), 2040 (DIL), 2040 (DIL), 2040 (DIL), 2040 (DIL), 2040 (DIL), 2040 (DIL), 2040 (DIL), 2040 (DIL), 2040 (DIL), 2040 (DIL), 2040 (DIL), 2040 (DIL), 2040 (DIL), 2040 (DIL), 2040 (DIL), 2040 (DIL), 2040 (DIL), 2040 (DIL), 2040 (DIL), 2040 (DIL), 2040 (DIL), 2040 (DIL), 2040 (DIL), 2040 (DIL), 2040 (DIL), 2040 (DIL), 2040 (DIL), 2040 (DIL), 2040 (	2021 (BILL), 2022 (BIL 2025 (BILL), 2027 (BIL 2031 (BILL), 2027 (BIL 2036 (BILL), 2037 (BIL 2041 (BILL) VALUATED ELUS	L) L) L) L) Group Total:	55.0000	ng use(s): Div Lim	it:			01/01 TO 12/31
2023 (DIL), 2024 (DIL), 2025 (DIL), 2025 (DIL), 2026 (DIL), 2025 (DIL), 2030 (DIL), 2038 (DIL), 2034 (DIL), 2035 (DIL), 2038 (DIL), 2039 (DIL), 2038 (DIL), 2039 (DIL), 2040 (DIL), STOCKWATER: Sole Supply: UNE CUPPLEMENTAL GROUP NO.: 62342 (1-2036 (DIL))	2021 (DILL), 2022 (DII 2025 (DILL), 2027 (DII 2031 (DILL), 2027 (DII 2036 (DILL), 2037 (DII 2041 (DILL) VALUATED ELUS	Group Total:	55.0000	ng use(s):  Div Lim	it:	PER	IOD OF USE:	
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2023 (DIL), 2024 (DIL), 2025 (DIL), 2026 (DIL), 2026 (DIL), 2025 (DIL), 2029 (DIL), 2030 (DIL), 2031 (DIL), 2031 (DIL), 2031 (DIL), 2031 (DIL), 2031 (DIL), 2031 (DIL), 2031 (DIL), 2031 (DIL), 2031 (DIL), 2031 (DIL), 2031 (DIL), 2031 (DIL), 2031 (DIL), 2031 (DIL), 2031 (DIL), 2031 (DIL), 2031 (DIL), 2031 (DIL), 2031 (DIL), 2031 (DIL), 2031 (DIL), 2031 (DIL), 2031 (DIL), 2031 (DIL), 2031 (DIL), 2031 (DIL), 2031 (DIL), 2031 (DIL), 2031 (DIL), 2031 (DIL), 2031 (DIL), 2031 (DIL), 2031 (DIL), 2031 (DIL), 2031 (DIL), 2031 (DIL), 2031 (DIL), 2031 (DIL), 2031 (DIL), 2031 (DIL), 2031 (DIL), 2031 (DIL), 2031 (DIL), 2031 (DIL), 2031 (DIL), 2031 (DIL), 2031 (DIL), 2031 (DIL), 2031 (DIL), 2031 (DIL), 2031 (DIL), 2031 (DIL), 2031 (DIL), 2031 (DIL), 2031 (DIL), 2031 (DIL), 2031 (DIL), 2031 (DIL), 2031 (DIL), 2031 (DIL), 2031 (DIL), 2031 (DIL), 2031 (DIL), 2031 (DIL), 2031 (DIL), 2031 (DIL), 2031 (DIL), 2031 (DIL), 2031 (DIL), 2031 (DIL), 2031 (DIL), 2031 (DIL), 2031 (DIL), 2031 (DIL), 2031 (DIL), 2031 (DIL), 2031 (DIL), 2031 (DIL), 2031 (DIL), 2031 (DIL), 2031 (DIL), 2031 (DIL), 2031 (DIL), 2031 (DIL), 2031 (DIL), 2031 (DIL), 2031 (DIL), 2031 (DIL), 2031 (DIL), 2031 (DIL), 2031 (DIL), 2031 (DIL), 2031 (DIL), 2031 (DIL), 2031 (DIL), 2031 (DIL), 2031 (DIL), 2031 (DIL), 2031 (DIL), 2031 (DIL), 2031 (DIL), 2031 (DIL), 2031 (DIL), 2031 (DIL), 2031 (DIL), 2031 (DIL), 2031 (DIL), 2031 (DIL), 2031 (DIL), 2031 (DIL), 2031 (DIL), 2031 (DIL), 2031 (DIL), 2031 (DIL), 2031 (DIL), 2031 (DIL), 2031 (DIL), 2031 (DIL), 2031 (DIL), 2031 (DIL), 2031 (DIL), 2031 (DIL), 2031 (DIL), 2031 (DIL), 2031 (DIL), 2031 (DIL), 2031 (DIL), 2031 (DIL), 2031 (DIL), 2031 (DIL), 2031 (DIL), 2031 (DIL), 2031 (DIL), 2031 (DIL), 2031 (DIL), 2031 (DIL), 2031 (DIL), 2031 (DIL), 2031 (DIL), 2031 (DIL), 2031 (DIL), 2031 (DIL), 2031 (DIL), 2031 (DIL), 2031 (DIL), 2031 (DIL), 2031 (DIL), 2031 (DIL), 2031 (DIL), 2031 (DIL), 2031 (DIL), 2031 (DIL), 2031 (DIL), 2031 (DIL), 2031 (DIL), 2031 (DIL), 2031 (DIL), 2031 (DIL), 2031 (DIL), 2031 (DIL), 2031 (DIL), 2031 (DIL), 2031 (	2021 (BIL), 2022 (BII) 2026 (BIL), 2027 (BII) 2031 (DIL), 2027 (DII) 2036 (BIL), 2037 (DII) 2041 (BIL)  VALUATED ELUS  VALUATED ELUS  ***********************************	Group Total: S  Group Total: S  MORTH-EASTH NW NE SW SE  * * * * * * * * * * * * * * * * * * *	55.0000 55.0000 55.0000 SOUTH-0 NW NE S	Div Lim  Div Lim  Div Lim	it:	PER:	IOD OF USE:	01/01 TO 12/31
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POSSIBLE SUPPLY: 302 (DIL), 302 (DIL), 2023 (DIL), 2023 (DIL), 2023 (DIL), 2023 (DIL), 2023 (DIL), 2023 (DIL), 2023 (DIL), 2033 (DIL), 2034 (DIL), 2034 (DIL), 2034 (DIL), 2034 (DIL), 2034 (DIL), 2034 (DIL), 2038 (DIL), 2034 (DIL), 2034 (DIL), 2034 (DIL), 2034 (DIL), 2034 (DIL), 2034 (DIL), 2034 (DIL), 2034 (DIL), 2034 (DIL), 2034 (DIL), 2034 (DIL), 2034 (DIL), 2034 (DIL), 2034 (DIL), 2034 (DIL), 2034 (DIL), 2034 (DIL), 2034 (DIL), 2034 (DIL), 2034 (DIL), 2034 (DIL), 2034 (DIL), 2034 (DIL), 2034 (DIL), 2034 (DIL), 2034 (DIL), 2034 (DIL), 2034 (DIL), 2034 (DIL), 2034 (DIL), 2034 (DIL), 2034 (DIL), 2034 (DIL), 2034 (DIL), 2034 (DIL), 2034 (DIL), 2034 (DIL), 2034 (DIL), 2034 (DIL), 2034 (DIL), 2034 (DIL), 2034 (DIL), 2034 (DIL), 2034 (DIL), 2034 (DIL), 2034 (DIL), 2034 (DIL), 2034 (DIL), 2034 (DIL), 2034 (DIL), 2034 (DIL), 2034 (DIL), 2034 (DIL), 2034 (DIL), 2034 (DIL), 2034 (DIL), 2034 (DIL), 2034 (DIL), 2034 (DIL), 2034 (DIL), 2034 (DIL), 2034 (DIL), 2034 (DIL), 2034 (DIL), 2034 (DIL), 2034 (DIL), 2034 (DIL), 2034 (DIL), 2034 (DIL), 2034 (DIL), 2034 (DIL), 2034 (DIL), 2034 (DIL), 2034 (DIL), 2034 (DIL), 2034 (DIL), 2034 (DIL), 2034 (DIL), 2034 (DIL), 2034 (DIL), 2034 (DIL), 2034 (DIL), 2034 (DIL), 2034 (DIL), 2034 (DIL), 2034 (DIL), 2034 (DIL), 2034 (DIL), 2034 (DIL), 2034 (DIL), 2034 (DIL), 2034 (DIL), 2034 (DIL), 2034 (DIL), 2034 (DIL), 2034 (DIL), 2034 (DIL), 2034 (DIL), 2034 (DIL), 2034 (DIL), 2034 (DIL), 2034 (DIL), 2034 (DIL), 2034 (DIL), 2034 (DIL), 2034 (DIL), 2034 (DIL), 2034 (DIL), 2034 (DIL), 2034 (DIL), 2034 (DIL), 2034 (DIL), 2034 (DIL), 2034 (DIL), 2034 (DIL), 2034 (DIL), 2034 (DIL), 2034 (DIL), 2034 (DIL), 2034 (DIL), 2034 (DIL), 2034 (DIL), 2034 (DIL), 2034 (DIL), 2034 (DIL), 2034 (DIL), 2034 (DIL), 2034 (DIL), 2034 (DIL), 2034 (DIL), 2034 (DIL), 2034 (DIL), 2034 (DIL), 2034 (DIL), 2034 (DIL), 2034 (DIL), 2034 (DIL), 2034 (DIL), 2034 (DIL), 2034 (DIL), 2034 (DIL), 2034 (DIL), 2034 (DIL), 2034 (DIL), 2034 (DIL), 2034 (DIL), 2034 (DIL), 2034 (DIL), 2034 (DIL), 2034 (DIL), 2034 (DIL), 2034 (DIL), 203	2021 (BIL), 2022 (BII) 2026 (BIL), 2027 (BII) 2036 (BIL), 2027 (BII) 2036 (BIL), 2037 (BII) 2031 (BIL), 2037 (BII) 2041 (BIL), VALUATED ELUS  2.  VALUATED ELUS  ***********************************	Group Total: STANDARD STANDARD SW SW SW SW SW SW SW SW SW SW SW SW SW	55.0000  ********  SOUTH-V NW NE S * : : :  ****************************	Div Lim  Div Lim  *********  Div Lim  ********  Div Lim  *********  *********  DOMESTIC (FAMILIES)	it:  *********  SOUTH-EAST NW NE SW S * : : :  **************  A T E R U MUNICIPAL (*	PER  PER:  ****************  **************  S E S MINING	IOD OF USE:	01/01 TO 12/31 ************************************

Utah Division of Water Rights | 1594 West North Temple Suite 220, P.O. Box 146300, Salt Lake City, Utah 84114-8300 | 801-538-7240 Natural Resources | Contact | Disclaimer | Privacy Policy | Accessibility Policy | Emergency Evacuation Plan

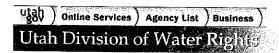




Select Related Information	•

WNERSHIP*****************	*****							
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AME: Jay Pagano DDR: Wellington UT 84542 REMARKS: 55 6	elu's (suppleme	ental)						
ATES, ETC.********************	**********	*********	******	*******	******	******	******	
AND OWNED BY APPLICANT? Yes ILED:   PRIORITY:	COUN / /1869 PUB NO ]  HEAF	NTY TAX ID#: BEGAN: RNG HLD: C/PROOF: ON REQ: DATE:	PUB END   SE ACTI   CERT/WUG   TYPE: [	ED: ON: [ C: 10/15/	NEWSPAR   ActionI  1965 LAP, ET	ER: ate: C:	PROOF I	DUE:
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OCATION OF WATER RIGHT*** (Points	of Diversion:	Click on Locat	ion to acce	ss PLAT Pr	ogram.)****	***** <u>MAP</u>	VIEWER**	******
LOW: OUNTY: Carbon COMMON DESCRI		SOURCE: Spr	ing Canyon (	Creek				
COMMENT:	am from a poin a point at N 6 Administrativ	ely updated by	t. from E4 o State Engir	corner, Se neer.	c 35, T13S,	R13E, SLBM.		
SES OF WATER RIGHT****** ELU	Lauralent Li	vestock Unit /	COM hores	A+A 1 +++	AAAAA MINIT	V7 1		
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123 (DIL), 2024 (DIL), 2025 (DIL), 2026 (DIL), 2028 (DIL), 2029 (DIL), 2030 (DIL), 2031 (DIL), 2031 (DIL), 2031 (DIL), 2031 (DIL), 2031 (DIL), 2031 (DIL), 2031 (DIL), 2031 (DIL), 2031 (DIL), 2031 (DIL), 2041 (DIL), 2041 (DIL), 2041 (DIL), 2041 (DIL), 2041 (DIL), 2041 (DIL), 2041 (DIL), 2041 (DIL), 2041 (DIL), 2041 (DIL), 2041 (DIL), 2041 (DIL), 2041 (DIL), 2041 (DIL), 2041 (DIL), 2041 (DIL), 2041 (DIL), 2041 (DIL), 2041 (DIL), 2041 (DIL), 2041 (DIL), 2041 (DIL), 2041 (DIL), 2041 (DIL), 2041 (DIL), 2041 (DIL), 2041 (DIL), 2041 (DIL), 2041 (DIL), 2041 (DIL), 2041 (DIL), 2041 (DIL), 2041 (DIL), 2041 (DIL), 2041 (DIL), 2041 (DIL), 2041 (DIL), 2041 (DIL), 2041 (DIL), 2041 (DIL), 2041 (DIL), 2041 (DIL), 2041 (DIL), 2041 (DIL), 2041 (DIL), 2041 (DIL), 2041 (DIL), 2041 (DIL), 2041 (DIL), 2041 (DIL), 2041 (DIL), 2041 (DIL), 2041 (DIL), 2041 (DIL), 2041 (DIL), 2041 (DIL), 2041 (DIL), 2041 (DIL), 2041 (DIL), 2041 (DIL), 2041 (DIL), 2041 (DIL), 2041 (DIL), 2041 (DIL), 2041 (DIL), 2041 (DIL), 2041 (DIL), 2041 (DIL), 2041 (DIL), 2041 (DIL), 2041 (DIL), 2041 (DIL), 2041 (DIL), 2041 (DIL), 2041 (DIL), 2041 (DIL), 2041 (DIL), 2041 (DIL), 2041 (DIL), 2041 (DIL), 2041 (DIL), 2041 (DIL), 2041 (DIL), 2041 (DIL), 2041 (DIL), 2041 (DIL), 2041 (DIL), 2041 (DIL), 2041 (DIL), 2041 (DIL), 2041 (DIL), 2041 (DIL), 2041 (DIL), 2041 (DIL), 2041 (DIL), 2041 (DIL), 2041 (DIL), 2041 (DIL), 2041 (DIL), 2041 (DIL), 2041 (DIL), 2041 (DIL), 2041 (DIL), 2041 (DIL), 2041 (DIL), 2041 (DIL), 2041 (DIL), 2041 (DIL), 2041 (DIL), 2041 (DIL), 2041 (DIL), 2041 (DIL), 2041 (DIL), 2041 (DIL), 2041 (DIL), 2041 (DIL), 2041 (DIL), 2041 (DIL), 2041 (DIL), 2041 (DIL), 2041 (DIL), 2041 (DIL), 2041 (DIL), 2041 (DIL), 2041 (DIL), 2041 (DIL), 2041 (DIL), 2041 (DIL), 2041 (DIL), 2041 (DIL), 2041 (DIL), 2041 (DIL), 2041 (DIL), 2041 (DIL), 2041 (DIL), 2041 (DIL), 2041 (DIL), 2041 (DIL), 2041 (DIL), 2041 (DIL), 2041 (DIL), 2041 (DIL), 2041 (DIL), 2041 (DIL), 2041 (DIL), 2041 (DIL), 2041 (DIL), 2041 (DIL), 2041 (DIL), 2041 (DIL), 2041 (DIL), 2041 (DIL), 2041 (DIL), 2041	(DLL), 2022 (DIL (DIL), 2027 (DIL (DIL), 2032 (DIL (DIL), 2037 (DIL (DIL), 2037 (DIL (DIL)).  ATED ELUS  ATED ELUS  TH-WEST4 NE SW SE : : *	Group Total:  ***********************************	55.0000 *********************************	Div Lim	t: t: south-east	PERI	OD OF USE:	01/01 TO 12/3
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123 (BIL), 2024 (BIL), 2025 (BIL), 2026 (BIL), 2026 (BIL), 2029 (BIL), 2030 (BIL), 2031 (BIL), 2031 (BIL), 2031 (BIL), 2031 (BIL), 2034 (BIL), 2035 (BIL), 2035 (BIL), 2036 (BIL), 2036 (BIL), 2041 (BIL), 2041 (BIL), 2041 (BIL), 2041 (BIL), 2041 (BIL), 2041 (BIL), 2041 (BIL), 2041 (BIL), 2041 (BIL), 2041 (BIL), 2041 (BIL), 2041 (BIL), 2041 (BIL), 2041 (BIL), 2041 (BIL), 2041 (BIL), 2041 (BIL), 2041 (BIL), 2041 (BIL), 2041 (BIL), 2041 (BIL), 2041 (BIL), 2041 (BIL), 2041 (BIL), 2041 (BIL), 2041 (BIL), 2041 (BIL), 2041 (BIL), 2041 (BIL), 2041 (BIL), 2041 (BIL), 2041 (BIL), 2041 (BIL), 2041 (BIL), 2041 (BIL), 2041 (BIL), 2041 (BIL), 2041 (BIL), 2041 (BIL), 2041 (BIL), 2041 (BIL), 2041 (BIL), 2041 (BIL), 2041 (BIL), 2041 (BIL), 2041 (BIL), 2041 (BIL), 2041 (BIL), 2041 (BIL), 2041 (BIL), 2041 (BIL), 2041 (BIL), 2041 (BIL), 2041 (BIL), 2041 (BIL), 2041 (BIL), 2041 (BIL), 2041 (BIL), 2041 (BIL), 2041 (BIL), 2041 (BIL), 2041 (BIL), 2041 (BIL), 2041 (BIL), 2041 (BIL), 2041 (BIL), 2041 (BIL), 2041 (BIL), 2041 (BIL), 2041 (BIL), 2041 (BIL), 2041 (BIL), 2041 (BIL), 2041 (BIL), 2041 (BIL), 2041 (BIL), 2041 (BIL), 2041 (BIL), 2041 (BIL), 2041 (BIL), 2041 (BIL), 2041 (BIL), 2041 (BIL), 2041 (BIL), 2041 (BIL), 2041 (BIL), 2041 (BIL), 2041 (BIL), 2041 (BIL), 2041 (BIL), 2041 (BIL), 2041 (BIL), 2041 (BIL), 2041 (BIL), 2041 (BIL), 2041 (BIL), 2041 (BIL), 2041 (BIL), 2041 (BIL), 2041 (BIL), 2041 (BIL), 2041 (BIL), 2041 (BIL), 2041 (BIL), 2041 (BIL), 2041 (BIL), 2041 (BIL), 2041 (BIL), 2041 (BIL), 2041 (BIL), 2041 (BIL), 2041 (BIL), 2041 (BIL), 2041 (BIL), 2041 (BIL), 2041 (BIL), 2041 (BIL), 2041 (BIL), 2041 (BIL), 2041 (BIL), 2041 (BIL), 2041 (BIL), 2041 (BIL), 2041 (BIL), 2041 (BIL), 2041 (BIL), 2041 (BIL), 2041 (BIL), 2041 (BIL), 2041 (BIL), 2041 (BIL), 2041 (BIL), 2041 (BIL), 2041 (BIL), 2041 (BIL), 2041 (BIL), 2041 (BIL), 2041 (BIL), 2041 (BIL), 2041 (BIL), 2041 (BIL), 2041 (BIL), 2041 (BIL), 2041 (BIL), 2041 (BIL), 2041 (BIL), 2041 (BIL), 2041 (BIL), 2041 (BIL), 2041 (BIL), 2041 (BIL), 2041 (BIL), 2041 (BIL), 2041 (BIL), 2041	QUANTITY IN ACRE-FEET	Group Total:  Group Total:  ***********************************	55.0000 **************  SOUTH-W NW NE S * : :  *************  STOCK (ELUS) 480.0000	Div Lim  Div Lim  *********  EST4  W SE  : *  **********  DOMESTIC (FAMILIES)	t:  SOUTH-EAST' NW NE SW SE  : : :  ******************************	PERI  *********   *********   E S  MINING	OD OF USE:	01/01 TO 12/3 01/01 TO 12/3 ************************************
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123(DIL), 2024(DIL), 2025(DIL), 2026(DIL), 2028(DIL), 2028(DIL), 2028(DIL), 2028(DIL), 2028(DIL), 2028(DIL), 2028(DIL), 2028(DIL), 2028(DIL), 2028(DIL), 2034(DIL), 2035(DIL), 2035(DIL), 2036(DIL), 2036(DIL), 2036(DIL), 2036(DIL), 2041(DIL), 2041(DIL), 2041(DIL), 2041(DIL), 2041(DIL), 2041(DIL), 2041(DIL), 2041(DIL), 2041(DIL), 2041(DIL), 2041(DIL), 2041(DIL), 2041(DIL), 2041(DIL), 2041(DIL), 2041(DIL), 2041(DIL), 2041(DIL), 2041(DIL), 2041(DIL), 2041(DIL), 2041(DIL), 2041(DIL), 2041(DIL), 2041(DIL), 2041(DIL), 2041(DIL), 2041(DIL), 2041(DIL), 2041(DIL), 2041(DIL), 2041(DIL), 2041(DIL), 2041(DIL), 2041(DIL), 2041(DIL), 2041(DIL), 2041(DIL), 2041(DIL), 2041(DIL), 2041(DIL), 2041(DIL), 2041(DIL), 2041(DIL), 2041(DIL), 2041(DIL), 2041(DIL), 2041(DIL), 2041(DIL), 2041(DIL), 2041(DIL), 2041(DIL), 2041(DIL), 2041(DIL), 2041(DIL), 2041(DIL), 2041(DIL), 2041(DIL), 2041(DIL), 2041(DIL), 2041(DIL), 2041(DIL), 2041(DIL), 2041(DIL), 2041(DIL), 2041(DIL), 2041(DIL), 2041(DIL), 2041(DIL), 2041(DIL), 2041(DIL), 2041(DIL), 2041(DIL), 2041(DIL), 2041(DIL), 2041(DIL), 2041(DIL), 2041(DIL), 2041(DIL), 2041(DIL), 2041(DIL), 2041(DIL), 2041(DIL), 2041(DIL), 2041(DIL), 2041(DIL), 2041(DIL), 2041(DIL), 2041(DIL), 2041(DIL), 2041(DIL), 2041(DIL), 2041(DIL), 2041(DIL), 2041(DIL), 2041(DIL), 2041(DIL), 2041(DIL), 2041(DIL), 2041(DIL), 2041(DIL), 2041(DIL), 2041(DIL), 2041(DIL), 2041(DIL), 2041(DIL), 2041(DIL), 2041(DIL), 2041(DIL), 2041(DIL), 2041(DIL), 2041(DIL), 2041(DIL), 2041(DIL), 2041(DIL), 2041(DIL), 2041(DIL), 2041(DIL), 2041(DIL), 2041(DIL), 2041(DIL), 2041(DIL), 2041(DIL), 2041(DIL), 2041(DIL), 2041(DIL), 2041(DIL), 2041(DIL), 2041(DIL), 2041(DIL), 2041(DIL), 2041(DIL), 2041(DIL), 2041(DIL), 2041(DIL), 2041(DIL), 2041(DIL), 2041(DIL), 2041(DIL), 2041(DIL), 2041(DIL), 2041(DIL), 2041(DIL), 2041(DIL), 2041(DIL), 2041(DIL), 2041(DIL), 2041(DIL), 2041(DIL), 2041(DIL), 2041(DIL), 2041(DIL), 2041(DIL), 2041(DIL), 2041(DIL), 2041(DIL), 2041(DIL), 2041(DIL), 2041(DIL), 2041(DIL), 2041(DIL), 2041(DIL), 2041(DIL), 2041(DIL), 2041(DIL),	(DIL), 2022 (DIL (DIL), 2027 (DIL (DIL), 2032 (DIL (DIL), 2037 (DIL (DIL), 2037 (DIL (DIL), 2037 (DIL (DIL), 2037 (DIL (DIL), 2037 (DIL (DIL), 2037 (DIL (DIL), 2037 (DIL (DIL), 2037 (DIL (DIL), 2037 (DIL (DIL), 2037 (DIL), 2037 (DIL), 2037 (DIL), 2037 (DIL), 2037 (DIL), 2037 (DIL), 2037 (DIL), 2037 (DIL), 2037 (DIL), 2037 (DIL), 2037 (DIL), 2037 (DIL), 2037 (DIL), 2037 (DIL), 2037 (DIL), 2037 (DIL), 2037 (DIL), 2037 (DIL), 2037 (DIL), 2037 (DIL), 2037 (DIL), 2037 (DIL), 2037 (DIL), 2037 (DIL), 2037 (DIL), 2037 (DIL), 2037 (DIL), 2037 (DIL), 2037 (DIL), 2037 (DIL), 2037 (DIL), 2037 (DIL), 2037 (DIL), 2037 (DIL), 2037 (DIL), 2037 (DIL), 2037 (DIL), 2037 (DIL), 2037 (DIL), 2037 (DIL), 2037 (DIL), 2037 (DIL), 2037 (DIL), 2037 (DIL), 2037 (DIL), 2037 (DIL), 2037 (DIL), 2037 (DIL), 2037 (DIL), 2037 (DIL), 2037 (DIL), 2037 (DIL), 2037 (DIL), 2037 (DIL), 2037 (DIL), 2037 (DIL), 2037 (DIL), 2037 (DIL), 2037 (DIL), 2037 (DIL), 2037 (DIL), 2037 (DIL), 2037 (DIL), 2037 (DIL), 2037 (DIL), 2037 (DIL), 2037 (DIL), 2037 (DIL), 2037 (DIL), 2037 (DIL), 2037 (DIL), 2037 (DIL), 2037 (DIL), 2037 (DIL), 2037 (DIL), 2037 (DIL), 2037 (DIL), 2037 (DIL), 2037 (DIL), 2037 (DIL), 2037 (DIL), 2037 (DIL), 2037 (DIL), 2037 (DIL), 2037 (DIL), 2037 (DIL), 2037 (DIL), 2037 (DIL), 2037 (DIL), 2037 (DIL), 2037 (DIL), 2037 (DIL), 2037 (DIL), 2037 (DIL), 2037 (DIL), 2037 (DIL), 2037 (DIL), 2037 (DIL), 2037 (DIL), 2037 (DIL), 2037 (DIL), 2037 (DIL), 2037 (DIL), 2037 (DIL), 2037 (DIL), 2037 (DIL), 2037 (DIL), 2037 (DIL), 2037 (DIL), 2037 (DIL), 2037 (DIL), 2037 (DIL), 2037 (DIL), 2037 (DIL), 2037 (DIL), 2037 (DIL), 2037 (DIL), 2037 (DIL), 2037 (DIL), 2037 (DIL), 2037 (DIL), 2037 (DIL), 2037 (DIL), 2037 (DIL), 2037 (DIL), 2037 (DIL), 2037 (DIL), 2037 (DIL), 2037 (DIL), 2037 (DIL), 2037 (DIL), 2037 (DIL), 2037 (DIL), 2037 (DIL), 2037 (DIL), 2037 (DIL), 2037 (DIL), 2037 (DIL), 2037 (DIL), 2037 (DIL), 2037 (DIL), 2037 (DIL), 2037 (DIL), 2037 (DIL), 2037 (DIL), 2037 (DIL), 2037 (DIL), 2037 (DIL), 2037 (DIL), 2037 (DIL), 2037 (DIL), 2037 (DIL), 2037 (DIL),	Group Total:  ************  ***********  *********	55.0000  *********  SOUTH-W NW NE S * : :  ***********  STOCK (ELUS) 480.0000	Div Lim  Div Lim  ********  EST4  W SE  : *  **********  DOMESTIC (FAMILIES)	t:  **********  SOUTH-EAST NW NE SW SI * : : :  *************  T E R U S MUNICIPAL {*	PERI *********  E SACRE-	OD OF USE:  OD OF USE:  *************  POWER  FEET	01/01 TO 12/3  01/01 TO 12/3  *******************  OTHER

Utah Division of Water Rights | 1594 West North Temple Suite 220, P.O. Box 146300, Salt Lake City, Utah 84114-6300 | 801-638-7240 Natural Resources | Contact | Disclaimer | Privacy Policy | Accessibility Policy | Emercency Evacuation Plan

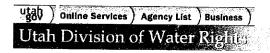




Select Related Information		
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OWNERSHIP*********	******	*****	*******	******	*****				
***************************************						************** **===========			
NAME: Jay Pagano ADDR: Wellington UT 845 RE	EMARKS: 55	elu's (supplem	ental)						
DATES, ETC.*********	******	********	******	******	******	*******	******	******	******
LAND OWNED BY APPLICANT FILED:	F? Yes PRIORITY: PROTESTED: ELEC/PROOF: RENOVATE: MAP: [58c PATUS Ce Claim	COUI / /1869 PUB [No ] HEAI [ ] ELEC   RECC   ] PUB	RNG HLD: C/PROOF: DN REQ: DATE:	PUB ENDER   SE ACTION   CERT/WUC:   TYPE: [	D: N: [ : 10/15/1	NEWSPAPE   ActionDa  965 LAP, ETC 	R: te: :	PROOF D	TTER:
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POINT OF DIVERSION P ( 1)Stockwatering direc	tly on stre	INT: eam from a poir a point at S ( : Administrativ	yely updated by	State Engine	er.	07, T14S, R	14E, SLBM.		
	### <b>###</b>								
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SUPPLEMENTAL GROUP NO.: 91-300 (DIL), 83 2023 (DIL), 2024 (DIL), 202 2028 (DIL), 2023 (DIL), 203 2033 (DIL), 2034 (DIL), 203 2038 (DIL), 2039 (DIL), 204 DIL), 204 DILD, 205 CKWATER: Sole Supplement of the supplement of the supplement of the supplement of the supplement of the supplement of the supplement of the supplement of the supplement of the supplement of the supplement of the supplement of the supplement of the supplement of the supplement of the supplement of the supplement of the supplement of the supplement of the supplement of the supplement of the supplement of the supplement of the supplement of the supplement of the supplement of the supplement of the supplement of the supplement of the supplement of the supplement of the supplement of the supplement of the supplement of the supplement of the supplement of the supplement of the supplement of the supplement of the supplement of the supplement of the supplement of the supplement of the supplement of the supplement of the supplement of the supplement of the supplement of the supplement of the supplement of the supplement of the supplement of the supplement of the supplement of the supplement of the supplement of the supplement of the supplement of the supplement of the supplement of the supplement of the supplement of the supplement of the supplement of the supplement of the supplement of the supplement of the supplement of the supplement of the supplement of the supplement of the supplement of the supplement of the supplement of the supplement of the supplement of the supplement of the supplement of the supplement of the supplement of the supplement of the supplement of the supplement of the supplement of the supplement of the supplement of the supplement of the supplement of the supplement of the supplement of the supplement of the supplement of the supplement of the supplement of the supplement of the supplement of the supplement of the supplement of the supplement of the supplement of the supplement of the supplement of the supplement of the suppl	623387. 6(DIL), 2021 5(DIL), 2030 5(DIL), 2031 5(DIL), 2030 1(DIL), 2031 1y: UNEVALU ATERING****	Water Rights: L(DIL), 2022(DII L(DIL), 2027(DII L(DIL), 2032(DII L(DIL), 2037(DII L(DIL) ATED ELUS WATER ELUS WATER EN SW SE : * * * * * * * * * * * * * * * * * * *	Appurtenant to  )  Group Total: 5  ***********************************	the following  5.0000  ********  SOUTH-WE: NW NE SW	g use(s): Div Limi ********* ST4 SE	t: ************************************	PER1	OD OF USE:	01/01 TO 12/3
SUPPLEMENTAL GROUP NO.: 91-300 (DIL), 83 2023 (DIL), 2024 (DIL), 202 2028 (DIL), 2024 (DIL), 203 2023 (DIL), 203 2033 (DIL), 2034 (DIL), 203 2033 (DIL), 2034 (DIL), 204 205 (DIL), 204 205 (DIL), 205 205 (DIL), 205 205 (DIL), 205 205 (DIL), 205 205 (DIL), 205 205 (DIL), 205 205 (DIL), 205 205 (DIL), 205 205 (DIL), 205 205 (DIL), 205 205 (DIL), 205 205 (DIL), 205 205 (DIL), 205 205 (DIL), 205 205 (DIL), 205 205 (DIL), 205 205 (DIL), 205 205 (DIL), 205 205 (DIL), 205 205 (DIL), 205 205 (DIL), 205 205 (DIL), 205 205 (DIL), 205 205 (DIL), 205 205 (DIL), 205 205 (DIL), 205 205 (DIL), 205 205 (DIL), 205 205 (DIL), 205 205 (DIL), 205 205 (DIL), 205 205 (DIL), 205 205 (DIL), 205 205 (DIL), 205 205 (DIL), 205 205 (DIL), 205 205 (DIL), 205 205 (DIL), 205 205 (DIL), 205 205 (DIL), 205 205 (DIL), 205 205 (DIL), 205 205 (DIL), 205 205 (DIL), 205 205 (DIL), 205 205 (DIL), 205 205 (DIL), 205 205 (DIL), 205 205 (DIL), 205 205 (DIL), 205 205 (DIL), 205 205 (DIL), 205 205 (DIL), 205 205 (DIL), 205 205 (DIL), 205 205 (DIL), 205 205 (DIL), 205 205 (DIL), 205 205 (DIL), 205 205 (DIL), 205 205 (DIL), 205 205 (DIL), 205 205 (DIL), 205 205 (DIL), 205 205 (DIL), 205 205 (DIL), 205 205 (DIL), 205 205 (DIL), 205 205 (DIL), 205 205 (DIL), 205 205 (DIL), 205 205 (DIL), 205 205 (DIL), 205 205 (DIL), 205 205 (DIL), 205 205 (DIL), 205 205 (DIL), 205 205 (DIL), 205 205 (DIL), 205 205 (DIL), 205 205 (DIL), 205 205 (DIL), 205 205 (DIL), 205 205 (DIL), 205 205 (DIL), 205 205 (DIL), 205 205 (DIL), 205 205 (DIL), 205 205 (DIL), 205 205 (DIL), 205 205 (DIL), 205 205 (DIL), 205 205 (DIL), 205 205 (DIL), 205 205 (DIL), 205 205 (DIL), 205 205 (DIL), 205 205 (DIL), 205 205 (DIL), 205 205 (DIL), 205 205 (DIL), 205 205 (DIL), 205 205 (DIL), 205 205 (DIL), 205 205 (DIL), 205 205 (DIL), 205 205 (DIL), 205 205 (DIL), 205 205 (DIL), 205 205 (DIL), 205 205 (DIL), 205 205 (DIL), 205 205 (DIL), 205 205 (DIL), 205 205 (DIL), 205 205 (DIL), 205 205 (DIL), 205 205 (DIL), 205 205 (DIL), 205 205 (DIL), 205 205 (DIL), 205 205 (DIL), 205 (DIL), 205 (DIL), 205 (DIL), 205	623387. 6(DLL), 2021 5(DLL), 2026 0(DLL), 2031 5(DLL), 2036 0(DLL), 2041 1y: UNEVALL ATERING****	Water Rights ; (OIL), 2022 (DII (OIL), 2027 (DII (OIL), 2037 (DII (OIL), 2037 (DII (OIL), 2037 (DII (OIL), 2037 (DII (OIL), 2037 (DII (OIL), 2037 (DII (OIL), 2037 (DII (OIL), 2037 (DII (OIL), 2037 (DII (OIL), 2037 (DII (OIL), 2037 (DII (OIL), 2037 (DII (OIL), 2037 (DII (OIL), 2037 (DII (OIL), 2037 (DII (OIL), 2037 (DII (OIL), 2037 (DII (OIL), 2037 (DII (OIL), 2037 (DII (OIL), 2037 (DII (OIL), 2037 (DII (OIL), 2037 (DII (OIL), 2037 (DII (OIL), 2037 (DII (OIL), 2037 (DII (OIL), 2037 (DII (OIL), 2037 (DII (OIL), 2037 (DII (OIL), 2037 (DII (OIL), 2037 (DII (OIL), 2037 (DII (OIL), 2037 (DII (OIL), 2037 (DII (OIL), 2037 (DII (OIL), 2037 (DII (OIL), 2037 (DII (OIL), 2037 (DII (OIL), 2037 (DII (OIL), 2037 (DII (OIL), 2037 (DII (OIL), 2037 (DII (OIL), 2037 (DII (OIL), 2037 (DII (OIL), 2037 (DII (OIL), 2037 (DII (OIL), 2037 (DII (OIL), 2037 (DII (OIL), 2037 (DII (OIL), 2037 (DII (OIL), 2037 (DII (OIL), 2037 (DII (OIL), 2037 (DII (OIL), 2037 (DII (OIL), 2037 (DII (OIL), 2037 (DII (OIL), 2037 (DII (OIL), 2037 (DII (OIL), 2037 (DII (OIL), 2037 (DII (OIL), 2037 (DII (OIL), 2037 (DII (OIL), 2037 (DII (OIL), 2037 (DII (OIL), 2037 (DII (OIL), 2037 (DII (OIL), 2037 (DII (OIL), 2037 (DII (OIL), 2037 (DII (OIL), 2037 (DII (OIL), 2037 (DII (OIL), 2037 (DII (OIL), 2037 (DII (OIL), 2037 (DII (OIL), 2037 (DII (OIL), 2037 (DII (OIL), 2037 (DII (OIL), 2037 (DII (OIL), 2037 (DII (OIL), 2037 (DII (OIL), 2037 (DII (OIL), 2037 (DII (OIL), 2037 (DII (OIL), 2037 (DII (OIL), 2037 (DII (OIL), 2037 (DII (OIL), 2037 (DII (OIL), 2037 (DII (OIL), 2037 (DII (OIL), 2037 (DII (OIL), 2037 (DII (OIL), 2037 (DII (OIL), 2037 (DII (OIL), 2037 (DII (OIL), 2037 (DII (OIL), 2037 (DII (OIL), 2037 (DII (OIL), 2037 (DII (OIL), 2037 (DII (OIL), 2037 (DII (OIL), 2037 (DII (OIL), 2037 (DII (OIL), 2037 (DII (OIL), 2037 (DII (OIL), 2037 (DII (OIL), 2037 (DII (OIL), 2037 (DII (OIL), 2037 (DII (OIL), 2037 (DII (OIL), 2037 (DII (OIL), 2037 (DII (OIL), 2037 (DII (OIL), 2037 (DII (OIL), 2037 (DII (OIL), 2037 (DII (OIL), 2037 (DII (OIL), 2037 (DII (OIL), 2037 (DII (OIL), 2	Appurtenant to (). (). (). (). (). (). (). (). (). ().	the following 55.0000 ********  SOUTH-WE: NW NE SW * : :	g use(s):  Div Limi:  *********  ST%  SE:  **********	:: ***********************************	PER:	OD OF USE:	01/01 TO 12/3:
SUPPLEMENTAL GROUP NO.: 91-300 (DIL), 302 (DIL), 83 2023 (DIL), 2024 (DIL), 202 2028 (DIL), 2029 (DIL), 203 2033 (DIL), 2034 (DIL), 203 2033 (DIL), 2034 (DIL), 203 ESTOCKWATER: Sole Supp. PLACE OF USE for STOCKWATER: SOLE STOCKWATER: SOLE STOCKWATER: SOLE STOCKWATER: SOLE STOCKWATER: SOLE STOCKWATER: SOLE STOCKWATER: SOLE STOCKWATER: SOLE STOCKWATER: SOLE STOCKWATER: SOLE STOCKWATER: SOLE STOCKWATER: SOLE STOCKWATER: SOLE STOCKWATER: SOLE STOCKWATER: SOLE STOCKWATER: SOLE STOCKWATER: SOLE STOCKWATER: SOLE STOCKWATER: SOLE STOCKWATER: SOLE STOCKWATER: SOLE STOCKWATER: SOLE STOCKWATER: SOLE STOCKWATER: SOLE STOCKWATER: SOLE STOCKWATER: SOLE STOCKWATER: SOLE STOCKWATER: SOLE STOCKWATER: SOLE STOCKWATER: SOLE STOCKWATER: SOLE STOCKWATER: SOLE STOCKWATER: SOLE STOCKWATER: SOLE STOCKWATER: SOLE STOCKWATER: SOLE STOCKWATER: SOLE STOCKWATER: SOLE STOCKWATER: SOLE STOCKWATER: SOLE STOCKWATER: SOLE STOCKWATER: SOLE STOCKWATER: SOLE STOCKWATER: SOLE STOCKWATER: SOLE STOCKWATER: SOLE STOCKWATER: SOLE STOCKWATER: SOLE STOCKWATER: SOLE STOCKWATER: SOLE STOCKWATER: SOLE STOCKWATER: SOLE STOCKWATER: SOLE STOCKWATER: SOLE STOCKWATER: SOLE STOCKWATER: SOLE STOCKWATER: SOLE STOCKWATER: SOLE STOCKWATER: SOLE STOCKWATER: SOLE STOCKWATER: SOLE STOCKWATER: SOLE STOCKWATER: SOLE STOCKWATER: SOLE STOCKWATER: SOLE STOCKWATER: SOLE STOCKWATER: SOLE STOCKWATER: SOLE STOCKWATER: SOLE STOCKWATER: SOLE STOCKWATER: SOLE STOCKWATER: SOLE STOCKWATER: SOLE STOCKWATER: SOLE STOCKWATER: SOLE STOCKWATER: SOLE STOCKWATER: SOLE STOCKWATER: SOLE STOCKWATER: SOLE STOCKWATER: SOLE STOCKWATER: SOLE STOCKWATER: SOLE STOCKWATER: SOLE STOCKWATER: SOLE STOCKWATER: SOLE STOCKWATER: SOLE STOCKWATER: SOLE STOCKWATER: SOLE STOCKWATER: SOLE STOCKWATER: SOLE STOCKWATER: SOLE STOCKWATER: SOLE STOCKWATER: SOLE STOCKWATER: SOLE STOCKWATER: SOLE STOCKWATER: SOLE STOCKWATER: SOLE STOCKWATER: SOLE STOCKWATER: SOLE STOCKWATER: SOLE STOCKWATER: SOLE STOCKWATER: SOLE STOCKWATER: SOLE STOCKWATER: SOLE STOCKWATER: SOLE STOCKWATER: SOLE STOCKWATER: SOLE STOCKWATER: SOLE STOCK	62387. 6(DLL), 2021 5(DLL), 2031 5(DLL), 2031 5(DLL), 2031 5(DLL), 2041 1y: UNEVALL 1y: UNEVALL ATERING****  NOR NW *: ********** y filed: FLOW IN CFS	Water Rights : ((DIL), 2022 (DII (DIL), 2027 (DII ((DIL), 2032 (DII ((DIL), 2037 (DII ((DIL), 2037 (DII ((DIL), 2037 (DII ((DIL), 2037 (DII ((DIL), 2037 (DII ((DIL), 2037 (DII ((DIL), 2037 (DII ((DIL), 2037 (DII ((DIL), 2037 (DII ((DIL), 2037 (DII ((DIL), 2037 (DII ((DIL), 2037 (DII ((DIL), 2037 (DII ((DIL), 2037 (DII ((DIL), 2037 (DII ((DIL), 2037 (DII ((DIL), 2037 (DII ((DIL), 2037 (DII ((DIL), 2037 (DII ((DIL), 2037 (DII ((DIL), 2037 (DII ((DIL), 2037 (DII ((DIL), 2037 (DII ((DIL), 2037 (DII ((DIL), 2037 (DII ((DIL), 2037 (DII ((DIL), 2037 (DII ((DIL), 2037 (DII ((DIL), 2037 (DII ((DIL), 2037 (DII ((DIL), 2037 (DII ((DIL), 2037 (DII ((DIL), 2037 (DII ((DIL), 2037 (DII ((DIL), 2037 (DII ((DIL), 2037 (DII ((DIL), 2037 (DII ((DIL), 2037 (DII ((DIL), 2037 (DII ((DIL), 2037 (DII ((DIL), 2037 (DII ((DIL), 2037 (DII ((DIL), 2037 (DII ((DIL), 2037 (DII ((DIL), 2037 (DII ((DIL), 2037 (DII ((DIL), 2037 (DII ((DIL), 2037 (DII ((DIL), 2037 (DII ((DIL), 2037 (DII ((DIL), 2037 (DII ((DIL), 2037 (DII ((DIL), 2037 (DII ((DIL), 2037 (DII ((DIL), 2037 (DII ((DIL), 2037 (DII ((DIL), 2037 (DII ((DIL), 2037 (DII ((DIL), 2037 (DII ((DIL), 2037 (DII ((DIL), 2037 (DII ((DIL), 2037 (DII ((DIL), 2037 (DII ((DIL), 2037 (DII ((DIL), 2037 (DII ((DIL), 2037 (DII ((DIL), 2037 (DII ((DIL), 2037 (DII ((DIL), 2037 (DII ((DIL), 2037 (DII ((DIL), 2037 (DII ((DIL), 2037 (DII ((DIL), 2037 (DII ((DIL), 2037 (DII ((DIL), 2037 (DII ((DIL), 2037 (DII ((DIL), 2037 (DII ((DIL), 2037 (DII ((DIL), 2037 (DII ((DIL), 2037 (DII ((DIL), 2037 (DII ((DIL), 2037 (DII ((DIL), 2037 (DII ((DIL), 2037 (DII ((DIL), 2037 (DII ((DIL), 2037 (DII ((DIL), 2037 (DII ((DIL), 2037 (DII ((DIL), 2037 (DII ((DIL), 2037 (DII ((DIL), 2037 (DII ((DIL), 2037 (DII ((DIL), 2037 (DII ((DIL), 2037 (DII ((DIL), 2037 (DII ((DIL), 2037 (DII ((DIL), 2037 (DII ((DIL), 2037 (DII ((DIL), 2037 (DII ((DIL), 2037 (DII ((DIL), 2037 (DII ((DIL), 2037 (DII ((DIL), 2037 (DII ((DIL), 2037 (DII ((DIL), 2037 (DII ((DIL), 2037 (DII ((DIL), 2037 (DII ((DIL), 2037 (DII ((DIL), 2037 (DII ((DIL), 2037 (DI	Appurtenant to  2)  3)  4)  Group Total: 5  ***********************************	55.0000  *********  SOUTH-WE: NW NE SW  * : :  ***********  STOCK !! (ELUS) (1 480.0000	Div Limi  *******  ST4  SE : *  *********  DOMESTIC FAMILIES)	***************  SOUTH-EAST4  NW NE SW SE  ' : : *  *****************************	PERI **********  ***********  E S MINING	OD OF USE:	01/01 TO 12/3
SUPPLEMENTAL GROUP NO.: 91-300(DIL), 302(DIL), 83 2023(DIL), 2024(DIL), 202 2028(DIL), 2029(DIL), 203 2033(DIL), 2034(DIL), 203 2033(DIL), 2034(DIL), 204  STOCKWATER: Sole Supp PLACE OF USE for STOCKW.  SEGREGATION HISTORY****  This Right as originally	623387. 6(DIL), 2021 5(DIL), 2021 5(DIL), 2033 5(DIL), 2036 0(DIL), 2031 1y: UMEVALL ATERING****  NOR NW  *: *********** y filed: FLOW IN CFS	Water Rights: L(DIL), 2022 (DII L(DIL), 2022 (DII L(DIL), 2032 (DII L(DIL), 2037 (DII L(DIL), 2037 (DII L(DIL), 2037 (DII L(DIL), 2037 (DII L(DIL), 2037 (DII L(DIL), 2037 (DII L(DIL), 2037 (DII L(DIL), 2037 (DII L(DIL), 2037 (DII L(DIL), 2037 (DII L(DIL), 2037 (DII L(DIL), 2037 (DII L(DIL), 2037 (DII L(DIL), 2037 (DII L(DIL), 2037 (DII L(DIL), 2037 (DII L(DIL), 2037 (DII L(DIL), 2037 (DII L(DIL), 2037 (DII L(DIL), 2037 (DII L(DIL), 2037 (DII L(DIL), 2037 (DII L(DIL), 2037 (DII L(DIL), 2037 (DII L(DIL), 2037 (DII L(DIL), 2037 (DII L(DIL), 2037 (DII L(DIL), 2037 (DII L(DIL), 2037 (DII L(DIL), 2037 (DII L(DIL), 2037 (DII L(DIL), 2037 (DII L(DIL), 2037 (DII L(DIL), 2037 (DII L(DIL), 2037 (DII L(DIL), 2037 (DII L(DIL), 2037 (DII L(DIL), 2037 (DII L(DIL), 2037 (DII L(DIL), 2037 (DII L(DIL), 2037 (DII L(DIL), 2037 (DII L(DIL), 2037 (DII L(DIL), 2037 (DII L(DIL), 2037 (DII L(DIL), 2037 (DII L(DIL), 2037 (DII L(DIL), 2037 (DII L(DIL), 2037 (DII L(DIL), 2037 (DII L(DIL), 2037 (DII L(DIL), 2037 (DII L(DIL), 2037 (DII L(DIL), 2037 (DII L(DIL), 2037 (DII L(DIL), 2037 (DII L(DIL), 2037 (DII L(DIL), 2037 (DII L(DIL), 2037 (DII L(DIL), 2037 (DII L(DIL), 2037 (DII L(DIL), 2037 (DII L(DIL), 2037 (DII L(DIL), 2037 (DII L(DIL), 2037 (DII L(DIL), 2037 (DII L(DIL), 2037 (DII L(DIL), 2037 (DII L(DIL), 2037 (DII L(DIL), 2037 (DII L(DIL), 2037 (DII L(DIL), 2037 (DII L(DIL), 2037 (DII L(DIL), 2037 (DII L(DIL), 2037 (DII L(DIL), 2037 (DII L(DIL), 2037 (DII L(DIL), 2037 (DII L(DIL), 2037 (DII L(DIL), 2037 (DII L(DIL), 2037 (DII L(DIL), 2037 (DII L(DIL), 2037 (DII L(DIL), 2037 (DII L(DIL), 2037 (DII L(DIL), 2037 (DII L(DIL), 2037 (DII L(DIL), 2037 (DII L(DIL), 2037 (DII L(DIL), 2037 (DII L(DIL), 2037 (DII L(DIL), 2037 (DII L(DIL), 2037 (DII L(DIL), 2037 (DII L(DIL), 2037 (DII L(DIL), 2037 (DII L(DIL), 2037 (DII L(DIL), 2037 (DII L(DIL), 2037 (DII L(DIL), 2037 (DII L(DIL), 2037 (DII L(DIL), 2037 (DII L(DIL), 2037 (DII L(DIL), 2037 (DII L(DIL), 2037 (DII L(DIL), 2037 (DII L(DIL), 2037 (DII L(DIL), 2037 (DII L(DIL), 2037 (DII L(DIL), 2037 (DI	Appurtenant to  Appurtenant to  Appurtenant to  Appurtenant to  Appurtenant to  Appurtenant to  Appurtenant to  Appurtenant to  Appurtenant to  Appurtenant to  Appurtenant to  Appurtenant to  Appurtenant to  Appurtenant to  Appurtenant to  Appurtenant to  Appurtenant to  Appurtenant to  Appurtenant to  Appurtenant to  Appurtenant to  Appurtenant to  Appurtenant to  Appurtenant to  Appurtenant to  Appurtenant to  Appurtenant to  Appurtenant to  Appurtenant to  Appurtenant to  Appurtenant to  Appurtenant to  Appurtenant to  Appurtenant to  Appurtenant to  Appurtenant to  Appurtenant to  Appurtenant to  Appurtenant to  Appurtenant to  Appurtenant to  Appurtenant to  Appurtenant to  Appurtenant to  Appurtenant to  Appurtenant to  Appurtenant to  Appurtenant to  Appurtenant to  Appurtenant to  Appurtenant to  Appurtenant to  Appurtenant to  Appurtenant to  Appurtenant to  Appurtenant to  Appurtenant to  Appurtenant to  Appurtenant to  Appurtenant to  Appurtenant to  Appurtenant to  Appurtenant to  Appurtenant to  Appurtenant to  Appurtenant to  Appurtenant to  Appurtenant to  Appurtenant to  Appurtenant to  Appurtenant to  Appurtenant to  Appurtenant to  Appurtenant to  Appurtenant to  Appurtenant to  Appurtenant to  Appurtenant to  Appurtenant to  Appurtenant to  Appurtenant to  Appurtenant to  Appurtenant to  Appurtenant to  Appurtenant to  Appurtenant to  Appurtenant to  Appurtenant to  Appurtenant to  Appurtenant to  Appurtenant to  Appurtenant to  Appurtenant to  Appurtenant to  Appurtenant to  Appurtenant to  Appurtenant to  Appurtenant to  Appurtenant to  Appurtenant to  Appurtenant to  Appurtenant to  Appurtenant to  Appurtenant to  Appurtenant to  Appurtenant to  Appurtenant to  Appurtenant to  Appurtenant to  Appurtenant to  Appurtenant to  Appurtenant to  Appurtenant to  Appurtenant to  Appurtenant to  Appurtenant to  Appurtenant to  Appurtenant to  Appurtenant to  Appurtenant to  Appurtenant to  Appurtenant to  Appurtenant to  Appurtenant to  Appurtenant to  Appurtenant to  Appurtenant to  Appurtenant to	SOUTH-WE: NW NE SW * : :  STOCK I (ELUS) (1 480.0000	g use(s):  Div Limi:  ********  ST%  SE:  **********  DOMESTIC FAMILIES)	t:  ***************  SOUTH-EAST4  NW NE SW SE  ' : : *  *****************  T E R U S  MUNICIPAL  *	PER: **********  **********  E S MINING	OD OF USE: ************ ***********************	01/01 TO 12/3:
SUPPLEMENTAL GROUP NO.: 91-300 (DIL), 302 (DIL), 202 928 (DIL), 2024 (DIL), 202 928 (DIL), 2029 (DIL), 203 92033 (DIL), 2034 (DIL), 203 92033 (DIL), 2034 (DIL), 203 92038 (DIL), 2039 (DIL), 204  STOCKWATER: Sole Supp PLACE OF USE for STOCKW.  SEC 07 T 14S R 14E SLBM SEGREGATION HISTORY****  This Right as originally This Right as originally  "The following Water Right (1) WRNUM: 91-5132  APPL#:  NAME: Hinkins, I FILED: 11/28/2006  APPR:	62387. 6(DIL), 2021 5(DIL), 2021 5(DIL), 2036 0(DIL), 2031 (DIL), 2031 1y: UNEVALL ATERING***  NOR NW *: **************  ************  ******	Water Rights: L(DIL), 2022 (DII L(DIL), 2022 (DII L(DIL), 2032 (DII L(DIL), 2037 (DII L(DIL), 2037 (DII L(DIL), 2037 (DII L(DIL), 2037 (DII L(DIL)  WATED ELUS  WATER ELUS  WATER ELUS  WATER ELUS  WATER ELUS  WATER ELUS  WATER ELUS  WATER ELUS  WATER ELUS  WATER ELUS  WATER ELUS  WATER ELUS  WATER ELUS  WATER ELUS  WATER ELUS  WATER ELUS  WATER ELUS  WATER ELUS  WATER ELUS  WATER ELUS  WATER ELUS  WATER ELUS  WATER ELUS  WATER ELUS  WATER ELUS  WATER ELUS  WATER ELUS  WATER ELUS  WATER ELUS  WATER ELUS  WATER ELUS  WATER ELUS  WATER ELUS  WATER ELUS  WATER ELUS  WATER ELUS  WATER ELUS  WATER ELUS  WATER ELUS  WATER ELUS  WATER ELUS  WATER ELUS  WATER ELUS  WATER ELUS  WATER ELUS  WATER ELUS  WATER ELUS  WATER ELUS  WATER ELUS  WATER ELUS  WATER ELUS  WATER ELUS  WATER ELUS  WATER ELUS  WATER ELUS  WATER ELUS  WATER ELUS  WATER ELUS  WATER ELUS  WATER ELUS  WATER ELUS  WATER ELUS  WATER ELUS  WATER ELUS  WATER ELUS  WATER ELUS  WATER ELUS  WATER ELUS  WATER ELUS  WATER ELUS  WATER ELUS  WATER ELUS  WATER ELUS  WATER ELUS  WATER ELUS  WATER ELUS  WATER ELUS  WATER ELUS  WATER ELUS  WATER ELUS  WATER ELUS  WATER ELUS  WATER ELUS  WATER ELUS  WATER ELUS  WATER ELUS  WATER ELUS  WATER ELUS  WATER ELUS  WATER ELUS  WATER ELUS  WATER ELUS  WATER ELUS  WATER ELUS  WATER ELUS  WATER ELUS  WATER ELUS  WATER ELUS  WATER ELUS  WATER ELUS  WATER ELUS  WATER ELUS  WATER ELUS  WATER ELUS  WATER ELUS  WATER ELUS  WATER ELUS  WATER ELUS  WATER ELUS  WATER ELUS  WATER ELUS  WATER ELUS  WATER ELUS  WATER ELUS  WATER ELUS  WATER ELUS  WATER ELUS  WATER ELUS  WATER ELUS  WATER ELUS  WATER ELUS  WATER ELUS  WATER ELUS  WATER ELUS  WATER ELUS  WATER ELUS  WATER ELUS  WATER ELUS  WATER ELUS  WATER ELUS  WATER ELUS  WATER ELUS  WATER ELUS  WATER ELUS  WATER ELUS  WATER ELUS  WATER ELUS  WATER ELUS  WATER ELUS  WATER ELUS  WATER ELUS  WATER ELUS  WATER ELUS  WATER ELUS  WATER ELUS  WATER ELUS  WATER ELUS  WATER ELUS  WATER ELUS  WATER ELUS  WATER ELUS  WATER ELUS  WATER ELUS  WATER ELUS  WATER ELUS  WATER ELUS  WATER ELUS  WATER ELUS  WA	Appurtenant to  Appurtenant to  Appurtenant to  Appurtenant to  Appurtenant to  Appurtenant to  Appurtenant to  Acreage  From 91-2038:	######################################	g use(s):  Div Limi  ********  ST4  SE  **********  Annual Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Con	************  SOUTH-EASTM NW NE SW SE  * : : *  ****************  T E R U S MUNICIPAL  *	PERI	OD OF USE: ************ ***********  POWER -FEET	01/01 TO 12/3: *************** **************** OTHER
SUPPLEMENTAL GROUP NO.: 91-300 (DIL), 302 (DIL), 83 2023 (DIL), 2024 (DIL), 202 2028 (DIL), 2024 (DIL), 203 2023 (DIL), 2034 (DIL), 203 2033 (DIL), 2034 (DIL), 203 2033 (DIL), 2034 (DIL), 204  STOCKWATER: Sole Supp. PLACE OF USE for STOCKW.  SEC 07 T 14S R 14E SLBM SEGREGATION HISTORY****  This Right as originally The following Water Right (1) WRNUM: 91-5132 APPL#: NAME: Hinkins, I FILED: 11/28/2006	623387. 6(DLL), 2021 5(DLL), 2032 5(DLL), 2031 5(DLL), 2031 5(DLL), 2031 1y: UNEVALU ATERING****  NOR NW * : **********  PLOW IN CFS  David P., R 5 STATUS: A	Water Rights: L(DIL), 2022 (DII L(DIL), 2022 (DII L(DIL), 2032 (DII L(DIL), 2037 (DII L(DIL), 2037 (DII L(DIL)  WATED ELUS  WATER EN SE : :  QUANTITY I ACRE-FEET  13.44  en Segregated 11.88  oss D., Todd S PP	Appurtenant to el. () () () () () () () () () () () () ()	######################################	g use(s):  Div Limi  ********  ST4  SE  : *  *********  ADOMESTIC FAMILIES)	t:  **************  SOUTH-EAST4  NW NE SW SE  : : : *  *************  T E R U S  MUNICIPAL  *	PERI	************  **************  ********	01/01 TO 12/3

Utah Division of Water Rights | 1594 West North Temple Suite 220, P.O. Box 145300, Sait Lake City, Utah 84114-6300 | 801-538-7240 Natural Resources | Contact | Disclaimer | Privacy Policy | Accessibility Policy | Emergency Evacuation Plan





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(WARNING: Water Rights makes NO claims as to the accuracy of this data.) RUN DATE: 01/26/2011
  WATER RIGHT: 91-2580
                                               APPLICATION/CLAIM NO.:
                                                                                                     CERT. NO.:
  NAME: Price Field Office USA Bureau of Land Management
  ADDR: 125 South 600 West
            Price UT 84501
  INTEREST: 100%
                                     REMARKS:
  LAND OWNED BY APPLICANT? Yes
                                                                            COUNTY TAX ID#:
  FILED:
                                     |PRIORITY: 00/00/1869|PUB BEGAN:
                                                                                                                                                      INEWSPAPER:
                                                                                                                PUB ENDED:
                                     ProtestEnd:
                                                                                                                 SE ACTION: [
                                                                                                                                                   ] |ActionDate:
  EXTENSION:
                                                                                                                CERT/WUC:
                                                                                                                                                     |LAP, ETC:
  RUSH LETTR:
                                                                                                                                                                                          (LAPS LETTER:
                                     RENOVATE:
                                                                                                                |TYPE: [
 PD BOOK: [91-5 ] | MAP: [57 * TYPE -- DOCUMENT -- STATUS------
                                                                         liPUB DATE:
  Type of Right: Diligence Claim
                                                                                Source of Info: Proposed Determination
                                                                                                                                                             Status:
  FLOW: 0.006 cfs
                                                                                      SOURCE: Bear Canyon Spring
  COUNTY: Carbon
                                    COMMON DESCRIPTION:
 POINT OF DIVERSION:
  ( 1) Stockwatering directly on spring located at S 660 ft. W 660 ft. from NE corner, Sec 09, T14S, R13E, SLBM.
                                             COMMENT: Administratively updated by State Engineer.
 USES OF WATER RIGHT******* ELU -- Equivalent Livestock Unit (cow, horse, etc.) ******* EDU -- Equivalent Domestic Unit or 1 Family
 SUPPLEMENTAL GROUP NO.: 614395. Water Rights Appurtenant to the following use(s):
 91-2380(DIL), 2580(DIL), 2591(DIL), 2606(DIL), 2650(DIL)
3158(DIL), 3335(DIL), 3540(DIL), 3755(DIL), 3756(DIL)
    STOCKWATER: Sole Supply: UNEVALUATED ELUS Group Total: 140.0000 Div Limit:
                                                                                                                                                                               PERIOD OF USE: 01/01 TO 12/31
 Mud Springs Allotment
                                                   SUPPLEMENTAL GROUP NO.: 615265. Water Rights Appurtenant to the following use(s):
91-2380 (DIL), 2350 (DIL), 2550 (DIL), 2650 (DIL), 2650 (DIL), 3550 (DIL), 2650 (DIL), 2650 (DIL), 3756 (DIL), 3158 (DIL), 335 (DIL), 3540 (DIL), 3755 (DIL), 3756 (DIL), 4393 (PAC), 4405 (PAC), 4424 (PAC), 4464 (PAC), 4465 (PAC), 4466 (PAC), 4467 (PAC), 4574 (PAC), 4575 (PAC), 4574 (PAC), 4575 (PAC), 4589 (PAC), 4638 (PAC), 4639 (PAC), 4638 (PAC), 4659 (PAC), 4660 (PAC), 4661 (PAC), 4786 (PAC), 4828 (CERT)
    STOCKWATER: Sole Supply: UNEVALUATED ELUS Group Total: 15.0000
                                                                                                                                Div Limit:
                                                                                                                                                                              PERIOD OF USE: 01/01 TO 12/31
 Mud Springs Allotment
 SUPPLEMENTAL GROUP NO.: 615666. Water Rights Appurtenant to the following use(s):
 91-2380(DIL), 2580(DIL), 2591(DIL), 2606(DIL), 2650(DIL)
3158 (DLD), 3335 (DLD), 3340 (DDL), 3755 (DLL), 3756 (DLL)

4393 (PAC), 4405 (PAC), 4424 (PAC), 4464 (PAC), 4465 (PAC)

4466 (PAC), 4467 (PAC), 4572 (PAC), 4573 (PAC), 4574 (PAC)

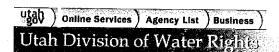
4575 (PAC), 4589 (PAC), 4638 (PAC), 4639 (PAC), 4658 (PAC)

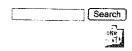
4659 (PAC), 4660 (PAC), 4661 (PAC), 4786 (PAC), 4787 (PAC)
4827 (CERT), 4828 (CERT)
   STOCKWATER: Sole Supply: UNEVALUATED ELUS Group
                                                                                Group Total: 15.0000
                                                                                                                                Div Limit:
                                                                                                                                                                              PERIOD OF USE: 01/01 TO 12/31
Mud Springs Allotment
SUPPLEMENTAL GROUP NO.: 615699. Water Rights Appurtenant to the following use(s): 91-2380(DIL), 2580(DIL), 2591(DIL), 2600(DIL), 2650(DIL) 3335(DIL), 3335(DIL), 3540(DIL), 3755(DIL), 3756(DIL) 3335(PAC), 4405(PAC), 4424(PAC), 4464(PAC), 4465(PAC) 4465(PAC), 4467(PAC), 4573(PAC), 4573(PAC), 4573(PAC), 4573(PAC), 4573(PAC), 4573(PAC), 4573(PAC), 4573(PAC), 4573(PAC), 4573(PAC), 4573(PAC), 4573(PAC), 4573(PAC), 4573(PAC), 4573(PAC), 4573(PAC), 4573(PAC), 4573(PAC), 4573(PAC), 4573(PAC), 4573(PAC), 4573(PAC), 4573(PAC), 4573(PAC), 4573(PAC), 4573(PAC), 4573(PAC), 4573(PAC), 4573(PAC), 4573(PAC), 4573(PAC), 4573(PAC), 4573(PAC), 4573(PAC), 4573(PAC), 4573(PAC), 4573(PAC), 4573(PAC), 4573(PAC), 4573(PAC), 4573(PAC), 4573(PAC), 4573(PAC), 4573(PAC), 4573(PAC), 4573(PAC), 4573(PAC), 4573(PAC), 4573(PAC), 4573(PAC), 4573(PAC), 4573(PAC), 4573(PAC), 4573(PAC), 4573(PAC), 4573(PAC), 4573(PAC), 4573(PAC), 4573(PAC), 4573(PAC), 4573(PAC), 4573(PAC), 4573(PAC), 4573(PAC), 4573(PAC), 4573(PAC), 4573(PAC), 4573(PAC), 4573(PAC), 4573(PAC), 4573(PAC), 4573(PAC), 4573(PAC), 4573(PAC), 4573(PAC), 4573(PAC), 4573(PAC), 4573(PAC), 4573(PAC), 4573(PAC), 4573(PAC), 4573(PAC), 4573(PAC), 4573(PAC), 4573(PAC), 4573(PAC), 4573(PAC), 4573(PAC), 4573(PAC), 4573(PAC), 4573(PAC), 4573(PAC), 4573(PAC), 4573(PAC), 4573(PAC), 4573(PAC), 4573(PAC), 4573(PAC), 4573(PAC), 4573(PAC), 4573(PAC), 4573(PAC), 4573(PAC), 4573(PAC), 4573(PAC), 4573(PAC), 4573(PAC), 4573(PAC), 4573(PAC), 4573(PAC), 4573(PAC), 4573(PAC), 4573(PAC), 4573(PAC), 4573(PAC), 4573(PAC), 4573(PAC), 4573(PAC), 4573(PAC), 4573(PAC), 4573(PAC), 4573(PAC), 4573(PAC), 4573(PAC), 4573(PAC), 4573(PAC), 4573(PAC), 4573(PAC), 4573(PAC), 4573(PAC), 4573(PAC), 4573(PAC), 4573(PAC), 4573(PAC), 4573(PAC), 4573(PAC), 4573(PAC), 4573(PAC), 4573(PAC), 4573(PAC), 4573(PAC), 4573(PAC), 4573(PAC), 4573(PAC), 4573(PAC), 4573(PAC), 4573(PAC), 4573(PAC), 4573(PAC), 4573(PAC), 4573(PAC), 4573(PAC), 4573(PAC), 4573(PAC), 4573(PAC), 4573(PAC), 4573(PAC), 4573(PAC), 4573(PAC), 4573(PAC), 4573(PAC), 4573(P
4575 (PAC), 4589 (PAC), 4638 (PAC), 4639 (PAC), 4658 (PAC)
4659 (PAC), 4660 (PAC), 4661 (PAC), 4786 (PAC), 4827 (CERT)
4828 (CERT)
                                                                             Group Total: 315.0000
                                                                                                                              Div Limit:
   STOCKWATER: Sole Supply: UNEVALUATED ELUS
                                                                                                                                                                             PERIOD OF USE: 01/01 TO 12/31
Mud Springs Allotment
SUPPLEMENTAL GROUP NO.: 615700. Water Rights Appurtenant to the following use(s):
91-2380(DIL), 2580(DIL), 2591(DIL), 2606(DIL), 2650(DIL)
3158(DIL), 3335(DIL), 3540(DIL), 3755(DIL), 3756(DIL)
4828 (CERT)
   STOCKWATER: Sole Supply: UNEVALUATED ELUS
                                                                                 Group Total: 57.0000 Div Limit:
                                                                                                                                                                             PERIOD OF USE: 01/01 TO 12/31
Mud Springs Allotment.
                                         Stockwater limited 7.5 months/year.
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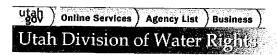


OMMENGUIDA	*********	******		
NAME: Price Field Office USA Bu ADDR: 125 South 600 West Price UT 84501 INTEREST: 100% REMARKS:	reau of Land Management			
DATES, ETC.***************	***************	******		
LAND OWNED BY APPLICANT? Yes FILED:  PRIORITY: ProtestEnd:  PROTESTED EXTENSION:  ELEC/PROO RENOVATE: PD BOOK: [91-5 ] MAP: [57] *TYPE DOCUMENT STATUS	COUNTY TAX ID#: 00/00/1869 PUB BEGAN: : [No ] HEARNG HLD: F:[ ] ELEC/PROOF:	PUB ENDED:  SE ACTION: [  CERT/WUC:  TYPE: [	NEWSPAPER:   ActionDate:   LAP, ETC: 	PROOF DUE:  LAPS LETTER:
Type of Right: Diligence Claim		: Proposed Determinatio		
LOCATION OF WATER RIGHT*** (Poin:	SOURCE: Le	ation to access PLAT Pr		AP VIEWER***********************************
FLOW: COUNTY: Carbon COMMON DESC POINT OF DIVERSION POINT TO 1 ( 1)Stockwatering directly on st	SOURCE: Lo CRIPTION:  POINT: tream from a point at S 660 ff to a point at N 660 ff. W 660 NT: Administratively undated h	eft Fork Grassy Trail C t. E 660 ft. from N4 co ft. from SE corner, Se	rner, Sec 02, T14S, c 01, T14S, R13E, S1	R13E, SLEM,
FLOW: COUNTY: Carbon COMMON DESC POINT OF DIVERSION POINT TO 1 ( 1)Stockwatering directly on st COMMEN	SOURCE: Le CRIPTION:  POINT: tream from a point at S 660 ft to a point at N 660 ft. W 660 NT: Administratively updated N	eft Fork Grassy Trail C t. E 660 ft. from N4 co ft. from SE corner, Se by State Engineer.	rner, Sec 02, T145, c 01, T145, R13E, S1	R13E, SLBM, LBM.
COMMON OF WATER RIGHT*** (Point COUNTY: Carbon COMMON DESCRIPTION OF DIVERSION POINT TO 1 (1)Stockwatering directly on state of COMMEN COMMEN COMMEN COMMEN COMMEN COMMEN COMMEN COMMEN COMMEN COMMEN COMMEN COMMEN COMMEN COMMEN COMMEN COMMEN COMMEN COMMEN COMMEN COMMEN COMMEN COMMEN COMMEN COMMEN COMMEN COMMEN COMMEN COMMEN COMMEN COMMEN COMMEN COMMEN COMMEN COMMEN COMMEN COMMEN COMMEN COMMEN COMMEN COMMEN COMMEN COMMEN COMMEN COMMEN COMMEN COMMEN COMMEN COMMEN COMMEN COMMEN COMMEN COMMEN COMMEN COMMEN COMMEN COMMEN COMMEN COMMEN COMMEN COMMEN COMMEN COMMEN COMMEN COMMEN COMMEN COMMEN COMMEN COMMEN COMMEN COMMEN COMMEN COMMEN COMMEN COMMEN COMMEN COMMEN COMMEN COMMEN COMMEN COMMEN COMMEN COMMEN COMMEN COMMEN COMMEN COMMEN COMMEN COMMEN COMMEN COMMEN COMMEN COMMEN COMMEN COMMEN COMMEN COMMEN COMMEN COMMEN COMMEN COMMEN COMMEN COMMEN COMMEN COMMEN COMMEN COMMEN COMMEN COMMEN COMMEN COMMEN COMMEN COMMEN COMMEN COMMEN COMMEN COMMEN COMMEN COMMEN COMMEN COMMEN COMMEN COMMEN COMMEN COMMEN COMMEN COMMEN COMMEN COMMEN COMMEN COMMEN COMMEN COMMEN COMMEN COMMEN COMMEN COMMEN COMMEN COMMEN COMMEN COMMEN COMMEN COMMEN COMMEN COMMEN COMMEN COMMEN COMMEN COMMEN COMMEN COMMEN COMMEN COMMEN COMMEN COMMEN COMMEN COMMEN COMMEN COMMEN COMMEN COMMEN COMMEN COMMEN COMMEN COMMEN COMMEN COMMEN COMMEN COMMEN COMMEN COMMEN COMMEN COMMEN COMMEN COMMEN COMMEN COMMEN COMMEN COMMEN COMMEN COMMEN COMMEN COMMEN COMMEN COMMEN COMMEN COMMEN COMMEN COMMEN COMMEN COMMEN COMMEN COMMEN COMMEN COMMEN COMMEN COMMEN COMMEN COMMEN COMMEN COMMEN COMMEN COMMEN COMMEN COMMEN COMMEN COMMEN COMMEN COMMEN COMMEN COMMEN COMMEN COMMEN COMMEN COMMEN COMMEN COMMEN COMMEN COMMEN COMMEN COMMEN COMMEN COMMEN COMMEN COMMEN COMMEN COMMEN COMMEN COMMEN COMMEN COMMEN COMMEN COMMEN COMMEN COMMEN COMMEN COMMEN COMMEN COMMEN COMMEN COMMEN COMMEN COMMEN COMMEN COMMEN COMMEN COMMEN COMMEN COMMEN COMMEN COMMEN COMMEN COMMEN COMMEN COMMEN COMMEN COMMEN COMMEN COMMEN COMMEN COMMEN COMMEN COMMEN COMMEN COMMEN COMMEN COMMEN COMMEN COMMEN COMMEN COMMEN COMMEN COMMEN COMMEN COMM	SOURCE: Le CRIPTION:  POINT: tream from a point at S 660 fi to a point at N 660 ft. W 660 NT: Administratively updated h  Equivalent Livestock Unit  . Water Rights Appurtenant t. 1,2606 (DIL),2650 (DIL)	eft Fork Grassy Trail C t. E 660 ft. from N4 co ft. from SE corner, Se by State Engineer. (cov, horse, etc.) ***	rner, Sec 02, T14S, c 01, T14S, R13E, S1	R13E, SLBM, LBM.
FLOW: COUNTY: Carbon COMMON DESC POINT OF DIVERSION POINT TO 1 ( 1)Stockwatering directly on st  COMMEN  COMMEN  COMMEN  USES OF WATER RIGHT******** ELU  SUPPLEMENTAL GROUP NO.: 614395 91-2380 (DIL), 2580 (DIL), 2591 (DIL) 3158 (DIL), 3335 (DIL), 3540 (DIL), 3	SOURCE: Lo CRIPTION:  POINT: tream from a point at S 660 ft to a point at N 660 ft. W 660 NT: Administratively updated h	eft Fork Grassy Trail C  t. E 660 ft. from N4 co ft. from SE corner, Se oy State Engineer.  (cow, horse, etc.) ***  o the following use(s): : 140.0000 Div Lim:	rner, Sec 02, T14S, c 01, T14S, R13E, SI ***** EDU Equiva	R13E, SLBM, LBM.  Lent Domestic Unit or 1 Family  PERIOD OF USE: 01/01 TO 12/31
FLOW: COUNTY: Carbon COMMON DESC POINT OF DIVERSION POINT TO 1 ( 1)Stockwatering directly on si  COMMEN  COMMEN  COMMEN  SUPPLEMENTAL GROUP NO.: 614395 P1_2380 (DIL), 2591 (DIL), 3158 (DIL), 3335 (DIL), 3540 (DIL), 2591 (DIL), 3158 (DIL), 3335 (DIL), 3540 (DIL), 331  STOCKWATER: Sole Supply: UNEVALUATE SUPPLEMENTAL GROUP NO.: 615265 P1_2380 (DIL), 2580 (DIL), 2591 (DIL), 3158 (DIL), 3335 (DIL), 3540 (DIL), 37  3193 (PAC), 4405 (PAC), 4424 (PAC), 4444  4466 (PAC), 4459 (PAC), 4538 (PAC), 4631 (FAC), 4611  51575 (PAC), 4589 (PAC), 4636 (PAC), 4661 (PAC), 4661 (PAC), 4661 (PAC), 4661 (PAC), 4661 (PAC), 4661 (PAC), 4661 (PAC), 4661 (PAC), 4661 (PAC), 4661 (PAC), 4661 (PAC), 4661 (PAC), 4661 (PAC), 4661 (PAC), 4661 (PAC), 4661 (PAC), 4661 (PAC), 4661 (PAC), 4661 (PAC), 4661 (PAC), 4661 (PAC), 4661 (PAC), 4661 (PAC), 4661 (PAC), 4661 (PAC), 4661 (PAC), 4661 (PAC), 4661 (PAC), 4661 (PAC), 4661 (PAC), 4661 (PAC), 4661 (PAC), 4661 (PAC), 4661 (PAC), 4661 (PAC), 4661 (PAC), 4661 (PAC), 4661 (PAC), 4661 (PAC), 4661 (PAC), 4661 (PAC), 4661 (PAC), 4661 (PAC), 4661 (PAC), 4661 (PAC), 4661 (PAC), 4661 (PAC), 4661 (PAC), 4661 (PAC), 4661 (PAC), 4661 (PAC), 4661 (PAC), 4661 (PAC), 4661 (PAC), 4661 (PAC), 4661 (PAC), 4661 (PAC), 4661 (PAC), 4661 (PAC), 4661 (PAC), 4661 (PAC), 4661 (PAC), 4661 (PAC), 4661 (PAC), 4661 (PAC), 4661 (PAC), 4661 (PAC), 4661 (PAC), 4661 (PAC), 4661 (PAC), 4661 (PAC), 4661 (PAC), 4661 (PAC), 4661 (PAC), 4661 (PAC), 4661 (PAC), 4661 (PAC), 4661 (PAC), 4661 (PAC), 4661 (PAC), 4661 (PAC), 4661 (PAC), 4661 (PAC), 4661 (PAC), 4661 (PAC), 4661 (PAC), 4661 (PAC), 4661 (PAC), 4661 (PAC), 4661 (PAC), 4661 (PAC), 4661 (PAC), 4661 (PAC), 4661 (PAC), 4661 (PAC), 4661 (PAC), 4661 (PAC), 4661 (PAC), 4661 (PAC), 4661 (PAC), 4661 (PAC), 4661 (PAC), 4661 (PAC), 4661 (PAC), 4661 (PAC), 4661 (PAC), 4661 (PAC), 4661 (PAC), 4661 (PAC), 4661 (PAC), 4661 (PAC), 4661 (PAC), 4661 (PAC), 4661 (PAC), 4661 (PAC), 4661 (PAC), 4661 (PAC), 4661 (PAC), 4661 (PAC), 4661 (PAC), 4661 (PAC), 4661 (PAC), 4661 (PAC), 4661 (PAC), 4661 (PA	SOURCE: Lo CRIPTION:  POINT: tream from a point at S 660 ft to a point at N 660 ft. W 660 NT: Administratively updated h	eft Fork Grassy Trail C  t. E 660 ft. from N4 co ft. from SE corner, Se oy State Engineer.  (cow, horse, etc.) ***  to the following use(s): 140.0000 Div Lim: to the following use(s):	rner, Sec 02, T14S, c 01, T14S, R13E, S1 ***** EDU Equiva	R13E, SLBM, LBM.  Lent Domestic Unit or 1 Family  PERIOD OF USE: 01/01 TO 12/31





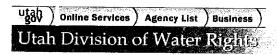
(WARNING: Water Rights makes NO claims as to the accuracy of this data.) RUN DATE: 01/26/2011 WATER RIGHT: 91-3266 APPLICATION/CLAIM NO.: CERT. NO.: NAME: George Orfanakis ADDR: Price UT 84501 INTEREST: 100% REMARKS: LAND OWNED BY APPLICANT? Yes COUNTY TAX ID#: |PRIORITY: 00/00/1902|PUB BEGAN: |PROTESTED: [No ]|HEARNG HLD: NEWSPAPER: ProtestEnd: ] | HEARNG HLD: |SE ACTION: [ ] |ActionDate: I PROOF DUE: EXTENSION: |ELEC/PROOF: [ ) | ELEC/PROOF: [CERT/WUC: 07/19/1967 | LAP, ETC: LAPS LETTER: RUSH LETTR: RENOVATE: RECON REQ: TYPE: [ PD BOOK: [91-5 ] | MAP: [68 *TYPE -- DOCUMENT -- STATUS----] | PUB DATE: Type of Right: Diligence Claim Source of Info: Proposed Determination FLOW: SOURCE: Unnamed Stream COUNTY: Carbon COMMON DESCRIPTION: POINT OF DIVERSION: ( 1) Stockwatering directly on reservoir located at N 660 ft. E 660 ft. from S4 corner, Sec 24, T14S, R13E, SLBM. COMMENT: Administratively updated by State Engineer. USES OF WATER RIGHT****** ELU -- Equivalent Livestock Unit (cow, horse, etc.) ******* EDU -- Equivalent Domestic Unit or 1 Family SUPPLEMENTAL GROUP NO.: 614145. Water Rights Appurtenant to the following use(s): 91-485 (DIL), 1752 (DIL), 2765 (DIL), 3266 (DIL) Group Total: 620.0000 STOCKWATER: Sole Supply: UNEVALUATED ELUS Div Limit: 17.36 acft. PERIOD OF USE: 01/01 TO 12/31 -----NORTH-EAST¥ SOUTH-WEST SOUTH-EAST NW NE SW SE NW NE SW SE NW NE SW SE Sec 24 T 14S R 13E SLBM : : : * : : X: Storage from 01/01 to 12/31, inclusive, in Unnamed Reservoir with a maximum capacity of 0.250 acre-feet, located in: Height of Dam: NORTH-WEST' NORTH-EAST' SOUTH-WEST SOUTH-EAST4 Area Inundated: NW NE SW SE NW NE SW SE NW NE SW SE * : : * Sec 24 T 14S R 13E SLBM : : : * Small Dam Required?: No





			T. NO.:	**=====================================	
	***********	************		**********	********
NAME: W. Lavon & Marianne W ADDR: Castle Dale UT REMARK	S: joint tenants				
DAIES, EIC. *************	***********	************	************		***********
LAND OWNED BY APPLICANT? YE FILED:   PRIOR ProtestEnd:   PROTE EXTENSION:   ELEC/ RUSH LETTR:   RENOV PD BOOK: [91-5 ]   MAP: *TYPE DOCUMENT STATUS	S C ITY: 00/00/1869 E STED: [No ]  E PROOF: [ ]  E ATE:  R [57 ]  F	COUNTY TAX ID#: PUB BEGAN: LEARNG HLD: LECC/PROOF: LECON REQ: PUB DATE:		NEWSPAPER:   ActionDate:  2/1968 LAP, ETC: 	
Type of Right: Diligence Cl	aim	Source of Info:	Proposed Determinat	ion Chata	
LOCATION OF WATER RIGHT***(	Points of Diversion	n: Click on Locat	ion to accouse DIAM		(AT) 1/1 TOTAL
rbow. U.UII CIS	DESCRIPTION:	SOURCE: Unn	amed Spring		MP VIEWER***********************************
POINT OF DIVERSION: ( 1)Stockwatering directly C	OMMENI: Administra	tively updated by	State Engineer		
OSES OF WHILK KIGHT *******	ELU -~ Equivalent	Livestock Unit /	cow horee stall t	******	lent Domestic Unit or 1 Family
SUPPLEMENTAL GROUP NO.: 614 91-1661 (DIL), 1662 (DIL), 1664 1667 (DIL), 1668 (DIL), 1669 (DI 1673 (DIL), 1668 (DIL), 1669 (DI 1673 (DIL), 1674 (DIL), 1688 (DI 1686 (DIL), 1687 (DIL), 1694 (DI 1692 (DIL), 1693 (DIL), 1694 (DI 1704 (DIL), 1706 (DIL), 1707 (DI 3474 (DIL), 3475 (DIL), 3476 (DI 3479 (DIL), 3480 (DIL), 3481 (DI 3484 (DIL), 3485 (DIL), 3486 (DI 3499 (DIL), 3490 (DIL), 3491 (DI 3494 (DIL), 3495 (DIL), 3496 (DII	(IZL. Water Right (DIL), 1665 (DIL), 16 L), 1671 (DIL), 1672 ( L), 1683 (DIL), 1685 ( L), 1689 (DIL), 1690 ( L), 1695 (DIL), 1703 ( L), 1708 (DIL), 1709 ( L), 3477 (DIL), 3483 ( L), 3482 (DIL), 3483 ( L), 3482 (DIL), 3483 ( L), 3492 (DIL), 3493 ( L), 3492 (DIL), 3493 ( L), 3492 (DIL), 3493 (	.s Appurtenant to 6(DIL) DIL) DIL) DIL) DIL) DIL) DIL) DIL)	the following use(s	;):	lent Domestic Unit or 1 Family
STOCKWATER: Sole Supply: (	NEVALUATED ELUS	Group Total:		imit: 15.0 acft.	PERIOD OF USE: 01/01 TO 12/31
PLACE OF USE for STOCKWATER	[NG************	*******	******	*******	*******
Sec 34 T 13S R 13E SLBM	NORTH-WEST⅓ NW NE SW SE	NORTH-EAST⅓ NW NE SW SE * : : *	COURT MEANT.	SOUTH-EAST'	
			*******		
THER COMMENTS*********				************	·*************************

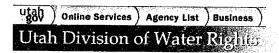
Utah Division of Water Rights | 1594 West North Temple Suite 220, P.O. Box 146300, Salt Lake City, Utah 84114-6300 | 801-538-7240 Natural Resources | Contact | Disclaimer | Privacy Policy | Accessibility Policy | Emergency Evacuation Plan





Select Related Information		•

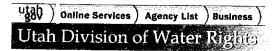
(WARNING: Water Rights makes NO claims as to the accuracy of this data.) RUN DATE: 01/26/2011 WATER RIGHT: 91-3475 APPLICATION/CLAIM NO.: CERT. NO.:
OWNERSHIP************************************
NAME: W. Lavon & Marianne W. Day ADDR: Castle Dale UT REMARKS: joint tenants
DATES, ETC.************************************
LAND OWNED BY APPLICANT? Yes COUNTY TAX ID#:  FILED:   PRIORITY: 00/00/1869 PUB BEGAN:   PUB ENDED:   NEWSPAPER:  ProtestEnd:   PROTESTED:   No
LOCATION OF WATER RIGHT*** (Points of Diversion: Click on Location to access PLAT Program.) ************************************
FLOW: 0.011 cfs SOURCE: Unnamed Spring COUNTY: Carbon COMMON DESCRIPTION:
POINT OF DIVERSION: ( 1)Stockwatering directly on spring located at N 660 ft. W 660 ft. from SE corner, Sec 34, T13S, R13E, SLBM.  COMMENT: Administratively updated by State Engineer.
JSES OF WATER RIGHT******* ELU Equivalent Livestock Unit (cow, horse, etc.) ******* EDU Equivalent Domestic Unit or 1 Family





Select Related Information	•

OWNERSHIP************	******	******	*****		*********
NAME: W. Lavon & Marianne ! ADDR: Castle Dale UT REMAR!	W. Day KS: joint tenants				
DATES, ETC. ***********	******	******	************	***********	*********
ProtestEnd:   PROTE	es C RITY: 00/00/1869 F ESTED: [No ] H /PROOF:[ ] E VATE:  R (57 ] F	OUNTY TAX ID#: UB BEGAN: EARNG HLD: LEC/PROOF: ECON REQ: UB DATE:	PUB ENDED:  SE ACTION: [  CERT/WUC: 02/19  TYPE: [		PROOF DUE:  LAPS LETTER:
Type of Right: Diligence C	laim 	Source of Info: 1	roposed Determinati	on Ctature	
LOCATION OF WATER RIGHT***	(Points of Diversio	n: Click on Locati	on to access PLAT F	rogram *********	AD WERDS
FLOW: 0.011 Cfs	N DESCRIPTION:	SOURCE: Unna			ZE VIEWEK.
POINT OF DIVERSION: ( 1)Stockwatering directly	COMMENT: Administra	tively undated by	State Engineer		
USES OF WATER RIGHT******	' <i>ELU →~ Ecuivalent</i>	Livestock Unit (c	ow horse ato 1 tt	*****	ent Domestic Unit or 1 Family
SUPPLEMENTAL GROUP NO.: 61	<b>4121</b> Water Right (DIL),1665(DIL),16	s Appurtenant to (	the following use(s)	;	
93-1651 (DLL), 1662 (DIL), 1669 (DI 1667 (DLL), 1668 (DIL), 1669 (DI 1673 (DIL), 1674 (DIL), 1682 (DI 1686 (DIL), 1687 (DIL), 1698 (DI 1692 (DIL), 1693 (DIL), 1694 (DI 1704 (DIL), 1706 (DIL), 1707 (DI 3474 (DIL), 3475 (DIL), 3476 (DI 3479 (DIL), 3480 (DIL), 3481 (DI 3484 (DIL), 3485 (DIL), 3486 (DI 3489 (DIL), 3490 (DIL), 3491 (DI	(L), 1683 (DIL), 1685 (L), 1689 (DIL), 1689 (DIL), 1690 (L), 1695 (DIL), 1703 (L), 1703 (L), 3477 (DIL), 3487 (DIL), 3483 (L), 3487 (DIL), 3488 (L), 3487 (DIL), 3493 (L), 3493 (DIL), 3493 (DIL), 3493 (DIL), 3493 (DIL), 3493 (DIL), 3493 (DIL), 3493 (DIL), 3493 (DIL), 3493 (DIL), 3493 (DIL), 3493 (DIL), 3493 (DIL), 3493 (DIL), 3493 (DIL), 3493 (DIL), 3493 (DIL), 3493 (DIL), 3493 (DIL), 3493 (DIL), 3493 (DIL), 3493 (DIL), 3493 (DIL), 3493 (DIL), 3493 (DIL), 3493 (DIL), 3493 (DIL), 3493 (DIL), 3493 (DIL), 3493 (DIL), 3493 (DIL), 3493 (DIL), 3493 (DIL), 3493 (DIL), 3493 (DIL), 3493 (DIL), 3493 (DIL), 3493 (DIL), 3493 (DIL), 3493 (DIL), 3493 (DIL), 3493 (DIL), 3493 (DIL), 3493 (DIL), 3493 (DIL), 3493 (DIL), 3493 (DIL), 3493 (DIL), 3493 (DIL), 3493 (DIL), 3493 (DIL), 3493 (DIL), 3493 (DIL), 3493 (DIL), 3493 (DIL), 3493 (DIL), 3493 (DIL), 3493 (DIL), 3493 (DIL), 3493 (DIL), 3493 (DIL), 3493 (DIL), 3493 (DIL), 3493 (DIL), 3493 (DIL), 3493 (DIL), 3493 (DIL), 3493 (DIL), 3493 (DIL), 3493 (DIL), 3493 (DIL), 3493 (DIL), 3493 (DIL), 3493 (DIL), 3493 (DIL), 3493 (DIL), 3493 (DIL), 3493 (DIL), 3493 (DIL), 3493 (DIL), 3493 (DIL), 3493 (DIL), 3493 (DIL), 3493 (DIL), 3493 (DIL), 3493 (DIL), 3493 (DIL), 3493 (DIL), 3493 (DIL), 3493 (DIL), 3493 (DIL), 3493 (DIL), 3493 (DIL), 3493 (DIL), 3493 (DIL), 3493 (DIL), 3493 (DIL), 3493 (DIL), 3493 (DIL), 3493 (DIL), 3493 (DIL), 3493 (DIL), 3493 (DIL), 3493 (DIL), 3493 (DIL), 3493 (DIL), 3493 (DIL), 3493 (DIL), 3493 (DIL), 3493 (DIL), 3493 (DIL), 3493 (DIL), 3493 (DIL), 3493 (DIL), 3493 (DIL), 3493 (DIL), 3493 (DIL), 3493 (DIL), 3493 (DIL), 3493 (DIL), 3493 (DIL), 3493 (DIL), 3493 (DIL), 3493 (DIL), 3493 (DIL), 3493 (DIL), 3493 (DIL), 3493 (DIL), 3493 (DIL), 3493 (DIL), 3493 (DIL), 3493 (DIL), 3493 (DIL), 3493 (DIL), 3493 (DIL), 3493 (DIL), 3493 (DIL), 3493 (DIL), 3493 (DIL), 3493 (DIL), 3493 (DIL), 3493 (DIL), 3493 (DIL), 3493 (DIL), 3493 (DIL), 3493 (DIL), 3493 (DIL), 3493 (DIL), 3493 (DIL), 3493 (DIL), 3493 (DIL), 3493 (DIL), 3493 (DIL), 3493 (DIL), 3493 (DIL), 3493 (DIL), 3493 (DIL), 349	DIL) DIL) DIL) DIL) DIL) DIL)			
93-1651 (DIL), 1662 (DIL), 1669 (DI 1667 (DIL), 1668 (DIL), 1669 (DI 1673 (DIL), 1674 (DIL), 1682 (DI 1686 (DIL), 1687 (DIL), 1698 (DI 1692 (DIL), 1693 (DIL), 1694 (DI 1704 (DIL), 1706 (DIL), 1707 (DI 3474 (DIL), 3475 (DIL), 3476 (DI 3479 (DIL), 3480 (DIL), 3481 (DI 3484 (DIL), 3485 (DIL), 3486 (DI 3494 (DIL), 3495 (DIL), 3496 (DI STOCKWATER: Sole Supply:	L), 1683 (DIL), 1685 (L), 1689 (PIL), 1689 (DIL), 1690 (L), 1695 (DIL), 1703 (L), 1703 (L), 1704 (DIL), 1709 (L), 3477 (DIL), 3483 (L), 3482 (DIL), 3483 (L), 3487 (DIL), 3483 (L), 3497 (DIL), 3493 (L), 3497 (DIL), 3493 (L), 3497 (DIL), 3498 (L), 3497 (DIL), 3498 (L), 3497 (DIL), 3498 (L), 3497 (DIL), 3498 (L), 3497 (DIL), 3498 (L), 3497 (DIL), 3498 (L)	DIL) DIL) DIL) DIL) DIL) DIL) DIL) DIL)	000.0000 Div Li	mit: 15.0 acft.	PERIOD OF USE: 01/01 TO 12/31
91-161 (DIL), 1662 (DIL), 1669 (DI 1667 (DIL), 1668 (DIL), 1669 (DI 1663 (DIL), 1674 (DIL), 1682 (DI 1686 (DIL), 1687 (DIL), 1688 (DI 1692 (DIL), 1693 (DIL), 1694 (DI 1704 (DIL), 1706 (DIL), 1707 (DI 3474 (DIL), 3475 (DIL), 3476 (DI 3479 (DIL), 3485 (DIL), 3481 (DI 3484 (DIL), 3485 (DIL), 3481 (DI 3494 (DIL), 3495 (DIL), 3491 (DI 3494 (DIL), 3495 (DIL), 3496 (DI STOCKWATER: Sole Supply:	L), 1683 (DIL), 1695 (L), 1689 (DIL), 1699 (DIL), 1690 (DIL), 1703 (L), 1708 (DIL), 1709 (L), 3477 (DIL), 3482 (DIL), 3483 (L), 3487 (DIL), 3483 (L), 3497 (DIL), 3498 (I), 3497 (DIL), 3498 (I), 3497 (DIL), 3498 (I), 3497 (DIL), 3498 (I), 3497 (DIL), 3498 (I)	OLL) DIL) DIL) DIL) DIL) DIL) DIL) DIL) D	000.0000 Div Li	mit: 15.0 acft.	PERIOD OF USE: 01/01 TO 12/31
91-1651 (DLL), 1662 (DIL), 1669 (DI 1667 (DIL), 1668 (DIL), 1669 (DI 1686 (DIL), 1674 (DIL), 1682 (DI 1686 (DIL), 1687 (DIL), 1688 (DI 1692 (DIL), 1693 (DIL), 1694 (DI 1704 (DIL), 1706 (DIL), 1707 (DI 3474 (DIL), 3475 (DIL), 3476 (DI 3479 (DIL), 3485 (DIL), 3481 (DI 3484 (DIL), 3485 (DIL), 3481 (DI 3489 (DIL), 3495 (DIL), 3491 (DI 3494 (DIL), 3495 (DIL), 3496 (DI STOCKWATER: Sole Supply:	L), 1683 (DIL), 1695 (L), 1689 (DIL), 1689 (DIL), 1699 (DIL), 1703 (L), 1703 (DIL), 1709 (DIL), 3477 (DIL), 3482 (DIL), 3482 (DIL), 3483 (DIL), 3492 (DIL), 3493 (DIL), 3497 (DIL), 3498 (DIL), 3497 (DIL), 3498 (DIL), 3497 (DIL), 3498 (DIL), 3497 (DIL), 3498 (DIL), 3497 (DIL), 3498 (DIL), 3497 (DIL), 3498 (DIL), 3497 (DIL), 3498 (DIL), 3497 (DIL), 3498 (DIL), 3497 (DIL), 3498 (DIL), 3497 (DIL), 3498 (DIL), 3497 (DIL), 3498 (DIL), 3497 (DIL), 3498 (DIL), 3497 (DIL), 3498 (DIL), 3497 (DIL), 3498 (DIL), 3497 (DIL), 3498 (DIL), 3497 (DIL), 3498 (DIL), 3497 (DIL), 3498 (DIL), 3497 (DIL), 3498 (DIL), 3497 (DIL), 3498 (DIL), 3497 (DIL), 3498 (DIL), 3497 (DIL), 3498 (DIL), 3497 (DIL), 3498 (DIL), 3497 (DIL), 3498 (DIL), 3497 (DIL), 3498 (DIL), 3497 (DIL), 3498 (DIL), 3497 (DIL), 3498 (DIL), 3497 (DIL), 3498 (DIL), 3497 (DIL), 3498 (DIL), 3497 (DIL), 3498 (DIL), 3497 (DIL), 3498 (DIL), 3497 (DIL), 3498 (DIL), 3497 (DIL), 3498 (DIL), 3497 (DIL), 3498 (DIL), 3497 (DIL), 3498 (DIL), 3497 (DIL), 3498 (DIL), 3497 (DIL), 3498 (DIL), 3497 (DIL), 3498 (DIL), 3497 (DIL), 3498 (DIL), 3497 (DIL), 3498 (DIL), 3497 (DIL), 3498 (DIL), 3497 (DIL), 3498 (DIL), 3497 (DIL), 3498 (DIL), 3497 (DIL), 3497 (DIL), 3498 (DIL), 3497 (DIL), 3497 (DIL), 3497 (DIL), 3497 (DIL), 3497 (DIL), 3497 (DIL), 3497 (DIL), 3497 (DIL), 3497 (DIL), 3497 (DIL), 3497 (DIL), 3497 (DIL), 3497 (DIL), 3497 (DIL), 3497 (DIL), 3497 (DIL), 3497 (DIL), 3497 (DIL), 3497 (DIL), 3497 (DIL), 3497 (DIL), 3497 (DIL), 3497 (DIL), 3497 (DIL), 3497 (DIL), 3497 (DIL), 3497 (DIL), 3497 (DIL), 3497 (DIL), 3497 (DIL), 3497 (DIL), 3497 (DIL), 3497 (DIL), 3497 (DIL), 3497 (DIL), 3497 (DIL), 3497 (DIL), 3497 (DIL), 3497 (DIL), 3497 (DIL), 3497 (DIL), 3497 (DIL), 3497 (DIL), 3497 (DIL), 3497 (DIL), 3497 (DIL), 3497 (DIL), 3497 (DIL), 3497 (DIL), 3497 (DIL), 3497 (DIL), 3497 (DIL), 3497 (DIL), 3497 (DIL), 3497 (DIL), 3497 (DIL), 3497 (DIL), 3497 (DIL), 3497 (DIL), 3497 (DIL), 3497 (DIL), 3497 (DIL), 3497 (DIL), 3497 (DIL), 3497 (DIL), 3497 (DIL), 3497 (DIL), 3497 (DIL), 3497 (DIL), 3497 (	DIL) DIL) DIL) DIL) DIL) DIL) DIL) DIL)	000.0000 Div Li)  ***********  SOUTH-WEST4  NW NE SW SE  * : : : *	mit: 15.0 acft.	PERIOD OF USE: 01/01 TO 12/31





WATER RIGHT: 91-34// A	PPLICATION/CLAIM N	O.: CERT.	NO.:	cy of this data.)	
OWNER\$HIP**************	*****	***********	****	******	**************
NAME: W. Lavon & Marianne W. ADDR: Castle Dale UT REMARKS	Day: joint tenants				
DAIDD, DIC	***********	*************	******		*******
ProtestEnd:   PROTES EXTENSION:   ELEC/P RUSH LETTR:   RENOVE PD BOOK: [91-5   ] MAP: *TYPE DOCUMENT STATUS-	COO TY: 00/00/1869 PUI TED: [No ] HE. ROOF: [ ] ELI TE:  RE: [57 ] PUI	UNTY TAX ID#: B BEGAN: ARNG HLD: EC/PROOF: CON REQ: B DATE:	PUB ENDED:  SE ACTION: [  CERT/WUC: 01/02  TYPE: [	NEWSPAPER:   ActionDate: /1968 LAP, ETC: 	PROOF DUE:  LAPS LETTER:
Type of Right: Diligence Cla	im s	Source of Info: Dro	nosed Dotovnia-ti		
LOCATION OF WATER RIGHT*** (P.	oints of Diversion	: Click on Location	to access DLAT D	~~~~~~ \ + + + + + + + + + + + A T	TET THE PROPERTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY O
FLOW: 0.011 cfs	DESCRIPTION:	SOURCE: Unname	**************	######################################	
POINT OF DIVERSION: ( 1)Stockwatering directly or CON	MMENT: Administrati	vely undated by St.	to Fraircas		
JSES OF WATER RIGHT*******	ELU Emilyalent 1	inactor Unit (com	1 444		
SUPPLEMENTAL GROUP NO.: 6149  01-1661(DIL), 1662(DIL), 1669(DIL), 1667(DIL), 1668 (DIL), 1669(DIL), 1669(DIL), 1669(DIL), 1669(DIL), 1669(DIL), 1669(DIL), 1669(DIL), 1688(DIL), 1694(DIL), 1694(DIL), 1707(DIL), 1704(DIL), 1706(DIL), 1707(DIL), 1704(DIL), 1706(DIL), 1707(DIL), 1707(DIL), 1707(DIL), 1707(DIL), 1707(DIL), 1707(DIL), 1707(DIL), 1707(DIL), 1707(DIL), 1707(DIL), 1707(DIL), 1707(DIL), 1707(DIL), 1707(DIL), 1707(DIL), 1707(DIL), 1707(DIL), 1707(DIL), 1707(DIL), 1707(DIL), 1707(DIL), 1707(DIL), 1707(DIL), 1707(DIL), 1707(DIL), 1707(DIL), 1707(DIL), 1707(DIL), 1707(DIL), 1707(DIL), 1707(DIL), 1707(DIL), 1707(DIL), 1707(DIL), 1707(DIL), 1707(DIL), 1707(DIL), 1707(DIL), 1707(DIL), 1707(DIL), 1707(DIL), 1707(DIL), 1707(DIL), 1707(DIL), 1707(DIL), 1707(DIL), 1707(DIL), 1707(DIL), 1707(DIL), 1707(DIL), 1707(DIL), 1707(DIL), 1707(DIL), 1707(DIL), 1707(DIL), 1707(DIL), 1707(DIL), 1707(DIL), 1707(DIL), 1707(DIL), 1707(DIL), 1707(DIL), 1707(DIL), 1707(DIL), 1707(DIL), 1707(DIL), 1707(DIL), 1707(DIL), 1707(DIL), 1707(DIL), 1707(DIL), 1707(DIL), 1707(DIL), 1707(DIL), 1707(DIL), 1707(DIL), 1707(DIL), 1707(DIL), 1707(DIL), 1707(DIL), 1707(DIL), 1707(DIL), 1707(DIL), 1707(DIL), 1707(DIL), 1707(DIL), 1707(DIL), 1707(DIL), 1707(DIL), 1707(DIL), 1707(DIL), 1707(DIL), 1707(DIL), 1707(DIL), 1707(DIL), 1707(DIL), 1707(DIL), 1707(DIL), 1707(DIL), 1707(DIL), 1707(DIL), 1707(DIL), 1707(DIL), 1707(DIL), 1707(DIL), 1707(DIL), 1707(DIL), 1707(DIL), 1707(DIL), 1707(DIL), 1707(DIL), 1707(DIL), 1707(DIL), 1707(DIL), 1707(DIL), 1707(DIL), 1707(DIL), 1707(DIL), 1707(DIL), 1707(DIL), 1707(DIL), 1707(DIL), 1707(DIL), 1707(DIL), 1707(DIL), 1707(DIL), 1707(DIL), 1707(DIL), 1707(DIL), 1707(DIL), 1707(DIL), 1707(DIL), 1707(DIL), 1707(DIL), 1707(DIL), 1707(DIL), 1707(DIL), 1707(DIL), 1707(DIL), 1707(DIL), 1707(DIL), 1707(DIL), 1707(DIL), 1707(DIL), 1707(DIL), 1707(DIL), 1707(DIL), 1707(DIL), 1707(DIL), 1707(DIL), 1707(DIL), 1707(DIL), 1707(DIL), 1707(DIL), 1707(DIL), 1707(DIL), 1707(DIL), 1707(DIL), 1707(DIL), 1707(DIL), 1707(DIL), 1707(DIL),	.21. Water Rights DIL),1665(DIL),1666( ,1671(DIL),1672(DI), ,1683(DIL),1685(DI), ,1683(DIL),1689(DI), ,1683(DIL),1703(DI), ,1683(DIL),1703(DI), ,1708(DIL),1703(DI), ,3477(DIL),3478(DI), ,3482(DIL),3483(DI), ,3487(DIL),3483(DI),3482(DI),3483(DI),3482(DIL),3493(DI),3493(DI),3493(DI),3493(DI),3493(DI),3493(DI),3493(DI),3493(DI),3493(DI),3493(DI),3493(DI),3493(DI),3493(DI),3493(DI),3493(DI),3493(DI),3493(DI),3493(DI),3493(DI),3493(DI),3493(DI),3493(DI),3493(DI),3493(DI),3493(DI),3493(DI),3493(DI),3493(DI),3493(DI),3493(DI),3493(DI),3493(DI),3493(DI),3493(DI),3493(DI),3493(DI),3493(DI),3493(DI),3493(DI),3493(DI),3493(DI),3493(DI),3493(DI),3493(DI),3493(DI),3493(DI),3493(DI),3493(DI),3493(DI),3493(DI),3493(DI),3493(DI),3493(DI),3493(DI),3493(DI),3493(DI),3493(DI),3493(DI),3493(DI),3493(DI),3493(DI),3493(DI),3493(DI),3493(DI),3493(DI),3493(DI),3493(DI),3493(DI),3493(DI),3493(DI),3493(DI),3493(DI),3493(DI),3493(DI),3493(DI),3493(DI),3493(DI),3493(DI),3493(DI),3493(DI),3493(DI),3493(DI),3493(DI),3493(DI),3493(DI),3493(DI),3493(DI),3493(DI),3493(DI),3493(DI),3493(DI),3493(DI),3493(DI),3493(DI),3493(DI),3493(DI),3493(DI),3493(DI),3493(DI),3493(DI),3493(DI),3493(DI),3493(DI),3493(DI),3493(DI),3493(DI),3493(DI),3493(DI),3493(DI),3493(DI),3493(DI),3493(DI),3493(DI),3493(DI),3493(DI),3493(DI),3493(DI),3493(DI),3493(DI),3493(DI),3493(DI),3493(DI),3493(DI),3493(DI),3493(DI),3493(DI),3493(DI),3493(DI),3493(DI),3493(DI),3493(DI),3493(DI),3493(DI),3493(DI),3493(DI),3493(DI),3493(DI),3493(DI),3493(DI),3493(DI),3493(DI),3493(DI),3493(DI),3493(DI),3493(DI),3493(DI),3493(DI),3493(DI),3493(DI),3493(DI),3493(DI),3493(DI),3493(DI),3493(DI),3493(DI),3493(DI),3493(DI),3493(DI),3493(DI),3493(DI),3493(DI),3493(DI),3493(DI),3493(DI),3493(DI),3493(DI),3493(DI),3493(DI),3493(DI),3493(DI),3493(DI),3493(DI),3493(DI),3493(DI),3493(DI),3493(DI),3493(DI),3493(DI),3493(DI),3493(DI),3493(DI),3493(DI),3493(DI),3493(DI),3493(DI),3493(DI),3493(DI),3493(DI),3493(DI),3493(DI),3493(DI),3493(DI),3493(DI),3493(DI),3493(DI),3493(DI),3493(DI),3493(DI),3493(DI),	Appurtenant to the ((DIL)) L) L) L) L) L) L) L) L) L) L) L) L)			
STOCKWATER: Sole Supply: UN	IEVALUATED ELUS	Group Total - 1000	ODDO Distin	it: 15.0 acft. PE	
LACE OF USE for STOCKWATERIN	[G**************	************	**********	************	
ec 34 T 13S R 13E SLBM	NORTH-WEST4 NW NE SW SE * : : *	NORTH-EAST	SOUTH-WEST4 NW NE SW SE * : : *	SOUTH-EAST4 NW NE SW SE * : : X*	
THER COMMENTS**********	~~~~~~~~	**************	***********		
11/48 Interest. ************************************	******	******	******	*******	*********





ATER RIGHT: 91-3478 APPLICATION/CLAIM NO.: CERT. NO.:	
WNERSHIP************************************	****
AME: W. Lavon & Marianne W. Day DDR: Castle Dale UT REMARKS: joint tenants	
ATES, ETC.************************************	***
AND OWNED BY APPLICANT? Yes COUNTY TAX ID#:  ILED:  PRIORITY: 00/00/1869 PUB BEGAN:  PUB ENDED:  NEWSPAPER:  rotestEnd:  PROTESTED: (No    HEARNG HLD:  SE ACTION: [ ] ActionDate:  PROOF DUE:  XTENSION:  ELEC/PROOF:  CERT/WUC: 03/08/1972 LAP, ETC:  LAPS LETTER:  USH LETTR:  RENOVATE:  RECON REQ:  TYPE: [ ]  D BOOK: [91-5]  MAP: [57]  PUB DATE:  TYPE DOCUMENT STATUS-	
ype of Right: Diligence Claim Source of Info: Proposed Determination Status:	
OCATION OF WATER RIGHT*** (Points of Diversion: Click on Location to access PLAT Program ) ***********************************	
LOW: 0.011 cfs SOURCE: Unnamed Spring DUNTY: Carbon COMMON DESCRIPTION:	221041 <del>4</del> 4
DINT OF DIVERSION:  1)Stockwatering directly on spring located at N 660 ft. W 660 ft. from SE corner, Sec 34, T13S, R13E, SLBM.  COMMENT: Administratively updated by State Engineer.	
SES OF WATER RIGHT******* ELU Equivalent Livestock Unit (cow, horse, etc.) ******* EDU Equivalent Domestic Unit or 1 I	
JPPLEMENTAL GROUP NO.: 614121. Water Rights Appurtenant to the following use(s):1661(DIL), 1662(DIL), 1664(DIL), 1665(DIL), 1666(DIL) 267 (DIL), 1668 (DIL), 1669 (DIL), 1671(DIL), 1672(DIL)	f=====

1673(DIL), 1674(DIL), 1682(DIL), 1671(DIL), 1672(DIL) 1673(DIL), 1674(DIL), 1682(DIL), 1683(DIL), 1685(DIL) 1686(DIL), 1697(DIL), 1688(DIL), 1689(DIL), 1690(DIL) 1692(DIL), 1693(DIL), 1694(DIL), 1695(DIL), 1703(DIL) 1704(DIL), 1706(DIL), 1707(DIL), 1708(DIL), 1709(DIL) 3474(DIL), 3475(DIL), 3476(DIL), 3477(DIL), 3478(DIL), 3479(DIL), 3480(DIL), 3481(DIL), 3482(DIL), 3483(DIL), 3484(DIL), 3495(DIL), 3496(DIL), 3497(DIL), 3493(DIL), 3494(DIL), 3495(DIL), 3496(DIL), 3497(DIL), 3498(DIL) STOCKWATER: Sole Supply: UNEVALUATED ELUS Group Total: 1000.0000 Div Limit: 15.0 acft. PERIOD OF USE: 01/01 TO 12/31 NORTH-WEST₩ NORTH-EAST4 SOUTH-WEST4 SOUTH-EAST4 NW NE SW SE NW NE SW SE NW NE SW SE Sec 34 T 13S R 13E SLBM 7/24 Interest. 





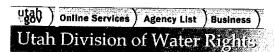
OMMONTON			T. NO.:	************	
OWNERSHIP************************************	*************	************	***********	********	
NAME: W. Lavon & Marianne Marianne Marianne MaDDR: Castle Dale UT	(S: joint tenants				
DALES, EIC.	*************	************	*****		
LAND OWNED BY APPLICANT? YA FILED: PRIOF PROCESSED PROCESSED PROCESSED PROCESSED PROCESSED PROCESSED PROCESSED PROCESSED PROCESSED PROCESSED PROCESSED PROCESSED PROCESSED PROCESSED PROCESSED PROCESSED PROCESSED PROCESSED PROCESSED PROCESSED PROCESSED PROCESSED PROCESSED PROCESSED PROCESSED PROCESSED PROCESSED PROCESSED PROCESSED PROCESSED PROCESSED PROCESSED PROCESSED PROCESSED PROCESSED PROCESSED PROCESSED PROCESSED PROCESSED PROCESSED PROCESSED PROCESSED PROCESSED PROCESSED PROCESSED PROCESSED PROCESSED PROCESSED PROCESSED PROCESSED PROCESSED PROCESSED PROCESSED PROCESSED PROCESSED PROCESSED PROCESSED PROCESSED PROCESSED PROCESSED PROCESSED PROCESSED PROCESSED PROCESSED PROCESSED PROCESSED PROCESSED PROCESSED PROCESSED PROCESSED PROCESSED PROCESSED PROCESSED PROCESSED PROCESSED PROCESSED PROCESSED PROCESSED PROCESSED PROCESSED PROCESSED PROCESSED PROCESSED PROCESSED PROCESSED PROCESSED PROCESSED PROCESSED PROCESSED PROCESSED PROCESSED PROCESSED PROCESSED PROCESSED PROCESSED PROCESSED PROCESSED PROCESSED PROCESSED PROCESSED PROCESSED PROCESSED PROCESSED PROCESSED PROCESSED PROCESSED PROCESSED PROCESSED PROCESSED PROCESSED PROCESSED PROCESSED PROCESSED PROCESSED PROCESSED PROCESSED PROCESSED PROCESSED PROCESSED PROCESSED PROCESSED PROCESSED PROCESSED PROCESSED PROCESSED PROCESSED PROCESSED PROCESSED PROCESSED PROCESSED PROCESSED PROCESSED PROCESSED PROCESSED PROCESSED PROCESSED PROCESSED PROCESSED PROCESSED PROCESSED PROCESSED PROCESSED PROCESSED PROCESSED PROCESSED PROCESSED PROCESSED PROCESSED PROCESSED PROCESSED PROCESSED PROCESSED PROCESSED PROCESSED PROCESSED PROCESSED PROCESSED PROCESSED PROCESSED PROCESSED PROCESSED PROCESSED PROCESSED PROCESSED PROCESSED PROCESSED PROCESSED PROCESSED PROCESSED PROCESSED PROCESSED PROCESSED PROCESSED PROCESSED PROCESSED PROCESSED PROCESSED PROCESSED PROCESSED PROCESSED PROCESSED PROCESSED PROCESSED PROCESSED PROCESSED PROCESSED PROCESSED PROCESSED PROCESSED PROCESSED PROCESSED PROCESSED PROCESSED PROCESSED PROCESSED PROCESSED PROCESSED PROCESSED PROCESSED PROCESSED PROCE	ESS C LITY: 00/00/1869 P STED: [No ]   H 'PROOF: [ ]   E 'ATE:   R [57 ]   P	OUNTY TAX ID#: UB BEGAN: EARNG HLD: LEC/PROOF: ECON REQ: UB DATE:	PUB ENDED:   ISE ACTION: [   CERT/WUC: 01/(   TYPE: [	NEWSPAPER:   ActionDate:  2/1968 LAP, ETC: 	PROOF DUE:  LAPS LETTER:
LOCATION OF WATER RIGHT***	Points of Diversion	n: Click on Locat	ion to accore Bram	Dunaman 1 2 4 4 4 4 4 4 4 4 4 4 1 1 1 1 1 1 1 1	P VIEWER***********************************
FLOW: 0.011 cfs	DESCRIPTION:	SOURCE: Unn			
POINT OF DIVERSION: ( 1)Stockwatering directly C	OMMENT: Administrat	Tively undated by	State Facines		
					ent Domestic Unit or 1 Family
99-1661 (DIL), 1662 (DIL), 1669 (DI 1667 (DIL), 1668 (DIL), 1669 (DI 1673 (DIL), 1674 (DIL), 1682 (DI 1686 (DIL), 1687 (DIL), 1683 (DI 1689 (DIL), 1683 (DIL), 1684 (DI 1692 (DIL), 1693 (DIL), 1694 (DI 1704 (DIL), 1706 (DIL), 1707 (DI 3474 (DIL), 3475 (DIL), 3486 (DI 3484 (DIL), 3485 (DIL), 3481 (DI 3489 (DIL), 3490 (DIL), 3491 (DI 3494 (DIL), 3495 (DIL), 3496 (DI		s Appurtenant to Sci(DIL) DIL) DIL) DIL) DIL) DIL) DIL) DIL)	the following use(s	s):	nt Domestic Unit or 1 Family
STOCKWATER: Sole Supply:	INEVALUATED ELUS	Group Total • 1	000 0000 5111 1	imit: 15.0 acft. p	
PLACE OF USE for STOCKWATER	LNG************	******	*****	*******	********
	NORTH-WEST¼ NW NE SW SE	NORTH-EAST⅓ NW NE SW SE		SOUTH-EAST'4 NW NE SW SE	
ec 34 T 13S R 13E SLBM	* : : : *				
ec 34 T 13S R 13E SLBM	********	********	*********		





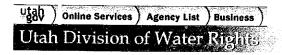
Select Related Information	1

WATER RIGHT: 91-3480	APPLICATION/CLAIM	NO.: CERT	to the accur	acy of this data	.) RUN DATE: 01/26/2011
OWNERSHIP**********	******	********	******	********	
	w. Day				
DATES, ETC.**********	*************	******	*****	********	
LAND OWNED BY APPLICANT? FILED:   PRI ProtestEnd:   PRO EXTENSION:   ELE RUSH LETTR:   REN	Yes CC ORITY: 00/00/1869 PI TESTED: [No ] HI CC/PROOF:[ ] EI OVATE:  RI : [57 ] PI	DUNTY TAX ID#: DB BEGAN: EARNG HLD: LEC/PROOF: LCON REQ: DB DATE:	PUB ENDED:  SE ACTION: [  CERT/WUC: 05/2  TYPE: [	(NEWSPAPER: ]   ActionDate: 28/1968 LAP, ETC: ]	PROOF DUE:  LAPS LETTER:
Type of Right: Diligence	Claim	Source of Info: P	roposed Determinat	ion Gt-tur-	
LOCATION OF WATER RIGHT**	* (Points of Diversion	: Click on Locati	on to access PLAT	Program \ ttttt++++++M2	AD UTEWEDALLALLALLALLALLA
FLOW: 0.011 cfs COUNTY: Carbon COMM POINT OF DIVERSION: ( 1)Stockwatering directl	ON DESCRIPTION:  y on spring located a	SOURCE: Unna	med Spring  ft. from E4 corne	r, Sec 34, Tl3S, Rl3E,	SLBM.
USES OF WATER RIGHT*****	** ELU Equivalent	Livestock Unit (c	ow horse ato 1 t	****** 2000 m 1	ent Domestic Unit or 1 Family
SUPPLEMENTAL GROUP NO.: 6 91-1661(DIL),1662(DIL),16 1667(DIL),1668(DIL),1669( 1673(DIL),1668(DIL),1669( 1673(DIL),1674(DIL),1682( 1686(DIL),1687(DIL),1684( 1692(DIL),1693(DIL),1694( 1704(DIL),1707(DIL),3476( 3474(DIL),3475(DIL),3476( 3474(DIL),3485(DIL),3486( 3484(DIL),3485(DIL),3486( 3489(DIL),3490(DIL),3491( 3494(DIL),3495(DIL),3496(	14121. water Right: 64(DIL), 1665(DIL), 1665 DIL), 1671(DIL), 1672(D DIL), 1683(DIL), 1685(D DIL), 1689(DIL), 1690(D DIL), 1689(DIL), 1703(D DIL), 1708(DIL), 1709(D DIL), 3477(DIL), 3478(D DIL), 3482(DIL), 3483(D DIL), 3492(DIL), 3483(D DIL), 3492(DIL), 3493(D	SAppurtenant to to to to to to to to to to to to to			ent Domestic Unit or 1 Family
STOCKWATER: Sole Supply	: UNEVALUATED ELUS	Group Total: 10	000.0000 Div L	imit: 15.0 acft.	PERIOD OF USE: 01/01 TO 12/31
PLACE OF USE for STOCKWAT	ERING***********	******	*****	*******	******
Sec 34 T 13S R 13E SLBM	NORTH-WEST⅓ NW NE SW SE * : : *	NORTH-EAST NW NE SW SE * : : *	SOUTH-WEST¼ NW NE SW SE * : : : *	SOUTH-EAST ¹⁴ NW NE SW SE * : X: : *	
OTHER COMMENTS*******	******	******	******	**********	
1/24 Interest.	********	********* N D	**************************************	********	**********************************
*********	*******				



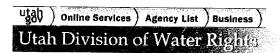


WATER RIGHT: 91-3461	APPLICATION/CLAIM	NO.: CERT	r. No.:	cy of this dat	Ca.) RUN DATE: 01/26/2011
OWNERSHIP**********	*****	*******	*******		
NAME: W. Lavon & Marianne ADDR: Castle Dale UT	ARKS: joint tenants				
DATES, ETC.**********	*******	*******	********	**********	**********
ProtestEnd:   PRO EXTENSION:   ELE RUSH LETTR:   REN	Yes (CORITY: 00/00/1869 I DTESTED: [No ]   FC/PROOF: [ ]   FC/PROOF: [ ]   FC/PROOF: [ ]   FC/PROOF: [ ]   FC/PROOF: [ ]   FC/PROOF: [ ]   FC/PROOF: [ ]   FC/PROOF: [ ]   FC/PROOF: [ ]   FC/PROOF: [ ]   FC/PROOF: [ ]   FC/PROOF: [ ]   FC/PROOF: [ ]   FC/PROOF: [ ]   FC/PROOF: [ ]   FC/PROOF: [ ]   FC/PROOF: [ ]   FC/PROOF: [ ]   FC/PROOF: [ ]   FC/PROOF: [ ]   FC/PROOF: [ ]   FC/PROOF: [ ]   FC/PROOF: [ ]   FC/PROOF: [ ]   FC/PROOF: [ ]   FC/PROOF: [ ]   FC/PROOF: [ ]   FC/PROOF: [ ]   FC/PROOF: [ ]   FC/PROOF: [ ]   FC/PROOF: [ ]   FC/PROOF: [ ]   FC/PROOF: [ ]   FC/PROOF: [ ]   FC/PROOF: [ ]   FC/PROOF: [ ]   FC/PROOF: [ ]   FC/PROOF: [ ]   FC/PROOF: [ ]   FC/PROOF: [ ]   FC/PROOF: [ ]   FC/PROOF: [ ]   FC/PROOF: [ ]   FC/PROOF: [ ]   FC/PROOF: [ ]   FC/PROOF: [ ]   FC/PROOF: [ ]   FC/PROOF: [ ]   FC/PROOF: [ ]   FC/PROOF: [ ]   FC/PROOF: [ ]   FC/PROOF: [ ]   FC/PROOF: [ ]   FC/PROOF: [ ]   FC/PROOF: [ ]   FC/PROOF: [ ]   FC/PROOF: [ ]   FC/PROOF: [ ]   FC/PROOF: [ ]   FC/PROOF: [ ]   FC/PROOF: [ ]   FC/PROOF: [ ]   FC/PROOF: [ ]   FC/PROOF: [ ]   FC/PROOF: [ ]   FC/PROOF: [ ]   FC/PROOF: [ ]   FC/PROOF: [ ]   FC/PROOF: [ ]   FC/PROOF: [ ]   FC/PROOF: [ ]   FC/PROOF: [ ]   FC/PROOF: [ ]   FC/PROOF: [ ]   FC/PROOF: [ ]   FC/PROOF: [ ]   FC/PROOF: [ ]   FC/PROOF: [ ]   FC/PROOF: [ ]   FC/PROOF: [ ]   FC/PROOF: [ ]   FC/PROOF: [ ]   FC/PROOF: [ ]   FC/PROOF: [ ]   FC/PROOF: [ ]   FC/PROOF: [ ]   FC/PROOF: [ ]   FC/PROOF: [ ]   FC/PROOF: [ ]   FC/PROOF: [ ]   FC/PROOF: [ ]   FC/PROOF: [ ]   FC/PROOF: [ ]   FC/PROOF: [ ]   FC/PROOF: [ ]   FC/PROOF: [ ]   FC/PROOF: [ ]   FC/PROOF: [ ]   FC/PROOF: [ ]   FC/PROOF: [ ]   FC/PROOF: [ ]   FC/PROOF: [ ]   FC/PROOF: [ ]   FC/PROOF: [ ]   FC/PROOF: [ ]   FC/PROOF: [ ]   FC/PROOF: [ ]   FC/PROOF: [ ]   FC/PROOF: [ ]   FC/PROOF: [ ]   FC/PROOF: [ ]   FC/PROOF: [ ]   FC/PROOF: [ ]   FC/PROOF: [ ]   FC/PROOF: [ ]   FC/PROOF: [ ]   FC/PROOF: [ ]   FC/PROOF: [ ]   FC/PROOF: [ ]   FC/PROOF: [ ]   FC/PROOF: [ ]   FC/PROOF: [ ]   FC/PROOF: [ ]   FC/PROOF: [ ]   FC/PROOF: [ ]   FC/	COUNTY TAX ID#: PUB BEGAN: IEARNG HLD: LLEC/PROOF: LECON REQ: PUB DATE:	PUB ENDED:  SE ACTION: [  CERT/WUC:  TYPE: [	NEWSPAPER:   ActionDate:  LAP, ETC: 	PROOF DUE:  LAPS LETTER:
Type of Right: Diligence	Claim	Source of Info:	Proposed Determination		=======================================
LOCATION OF WATER RIGHT**	<pre>'*(Points of Diversic</pre>	n: Click on Locat	ion to access Dram Dw.		MAIN TITULIES
POINT OF DIVERSION: ( 1)Stockwatering directl	COMMENT: Administra	tively updated by	State Engineer.		
					alent Domestic Unit or 1 Family
SUPPLEMENTAL GROUP NO.: 6 91-1661 (DIL), 1662 (DIL), 16 1667 (DIL), 1668 (DIL), 16691 1673 (DIL), 1667 (DIL), 16692 1686 (DIL), 1687 (DIL), 16881 1692 (DIL), 1693 (DIL), 16941 1704 (DIL), 1706 (DIL), 17071 3474 (DIL), 3475 (DIL), 34761 3479 (DIL), 3480 (DIL), 3481 3484 (DIL), 3485 (DIL), 34861 3489 (DIL), 3490 (DIL), 34911 3494 (DIL), 3495 (DIL), 3496 (DIL)	14121. Water Right 64(DIL),1665(DIL),16 DIL),167(DIL),1672( DIL),1693(DIL),1692( DIL),1693(DIL),1699( DIL),1695(DIL),1703( DIL),1708(DIL),1709( DIL),3477(DIL),3478( DIL),3487(DIL),3488( DIL),3492(DIL),3483( DIL),3492(DIL),3493(	s Appurtenant to (66(DIL) DIL) DIL) DIL) DIL) DIL) DIL) DIL)	the following use(s):		
STOCKWATER: Sole Supply	: UNEVALUATED ELUS	Group Total: 1		t: 15.0 acft.	PERIOD OF USE: 01/01 TO 12/31
PLACE OF USE for STOCKWAT	ERING**********	******	*******	*******	*********
Sec 34 T 13S R 13E SLBM	NORTH-WEST4 NW NE SW SE * : : *	NORTH-EASTԿ NW NE SW SE * : : *	SOUTH-WEST4  NW NE SW SE  * : : : *	SOUTH-EAST4 NW NE SW SE * : X: : *	
	************		********************	*******	*********



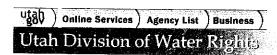


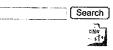
WATER RIGHT: 91-3482 A	PLICATION/CLAIM N	O.: CERT.	NO.:	acy of this data	.) RUN DATE: 01/26/2011
OWNERSHIP*************	******	*******	******	**********	:=====================================
NAME: W. Lavon & Marianne W. ADDR: Castle Dale UT REMARKS:	Day				
DATES, ETC.************************************	***********	***********	**********	*******	*******
LAND OWNED BY APPLICANT? Yes FILED:   PRIORIT ProtestEnd:   PROTEST EXTENSION:   ELEC/PF RUSH LETTR:   RENOVAT PD BOOK: [91-5   ] MAP: [ *TYPE DOCUMENT STATUS	CO TY: 00/00/1869 PU ED: [No ] HE OOOF: [ ] EL EE:   RE 57 ] PU	UNTY TAX ID#: B BEGAN: ARNG HLD: EC/PROOF: CON REQ: B DATE:	PUB ENDED:	NEWSPAPER:	iPROOF DUE:  LAPS LETTER:
Type of Right: Diligence Clai	m ====================================	Source of Info: Pr	oposed Determinat	ion Status:	
LOCATION OF WATER RIGHT *** (Po	ints of Diversion	: Click on Location	n to access PLAT	Program 1**********MZ	AD VIEWED
FLOW: 0.011 cfs COUNTY: Carbon COMMON D	ESCRIPTION:	SOURCE: Unnam	ed Spring	44.0 <b>3.000.0</b> 00.43.00.000.000.000.000	======================================
POINT OF DIVERSION: ( 1)Stockwatering directly on COM	MENT: Administrat	ively undated by S	tate Engineer		
USES OF WATER RIGHT******	LU Equivalent .	Livestock Unit (co	w. horse etc 1 to	****** PDD Books 7	manda Tarana and a second and and are
SUPPLEMENTAL GROUP NO.: 6141 91-1661 (DIL), 1662 (DIL), 1664 (DIL) 1667 (DIL), 1668 (DIL), 1669 (DIL) 1673 (DIL), 1674 (DIL), 1688 (DIL) 1686 (DIL), 1687 (DIL), 1688 (DIL) 1692 (DIL), 1693 (DIL), 1694 (DIL) 1692 (DIL), 1706 (DIL), 1707 (DIL) 3474 (DIL), 3475 (DIL), 3476 (DIL) 3479 (DIL), 3480 (DIL), 3481 (DIL) 3484 (DIL), 3485 (DIL), 3486 (DIL) 3489 (DIL), 3495 (DIL), 3496 (DIL) 3494 (DIL), 3495 (DIL), 3496 (DIL)	21. Water Rights LL, 1665 (DLL), 166, ,1671 (DLL), 1672 (D. ,1683 (DLL), 1689 (D. ,1683 (DLL), 1690 (D. ,1695 (DLL), 1703 (D. ,1708 (DLL), 1709 (D. ,3477 (DLL), 3478 (D. ,3482 (DLL), 3483 (D. ,3492 (DLL), 3493 (D. ,3497 (DLL), 3498 (D. ,3497 (DLL), 3498 (D.	Appurtenant to the ((DIL) (L) (L) (L) (L) (L) (L) (L) (L) (L) (	e following use(s	);	
STOCKWATER: Sole Supply: UN	EVALUATED ELUS	Group Total: 10	00.0000 Div Li	mit: 15.0 acft. P	PERIOD OF USE: 01/01 TO 12/31
PLACE OF USE for STOCKWATERING	G********	******	******	*******	********
Sec 34 T 13S R 13E SLBM	NORTH-WEST'4 NW NE SW SE * : : *	NORTH-EAST4 NW NE SW SE * : : *	SOUTH-WEST4 NW NE SW SE * : : *		
OTHER COMMENTS***********	*******	*******	******	********	********
11/48 Interest.	*********	***************	**************************************	***********************	





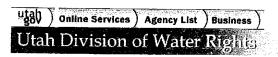
***************************************	PPLICATION/CLAIM N		. NO.:		=======================================
OWNERSHIP**************	************	********		******	*********
NAME: W. Lavon & Marianne W. ADDR: Castle Dale UT REMARKS	: joint tenants				
DAILS, DIC. ***********	***********	************	***********	************	
ProtestEnd:	CC TY: 00/00/1869 PU TED: [No ] HE ROOF: [ ] EI TE:  RE [57 ] PU	OUNTY TAX ID#:  IB BEGAN: CARNG HLD: EC/PROOF: CON REQ:  B DATE:	{PUB ENDED:  SE ACTION: [  CERT/WUC: 03/  TYPE: [	NEWSPAPER:   ActionDate:  08/1972 LAP, ETC: 	IPROOF DUE:
Type of Right: Diligence Cla		Source of Info: P			
LOCATION OF WATER RIGHT*** (P	oints of Diversion	: Click on Location	on to access PLAT	Program   **********	MAD WITEWED
FLOW: U.UII CIS	DESCRIPTION:	SOURCE: Unna	med Spring		
POINT OF DIVERSION: ( 1)Stockwatering directly o CO	MMENT: Administrat	ively updated by 9	State Engineer		
USES OF WATER RIGHT******	ELU Equivalent	Livestock Unit (c)	w horee etc 1	*******	
SUPPLEMENTAL GROUP NO.: 614: 1667 (DIL), 1668 (DIL), 1669 (DIL) 1673 (DIL), 1668 (DIL), 1669 (DIL) 1673 (DIL), 1674 (DIL), 1682 (DIL 1696 (DIL), 1687 (DIL), 1688 (DIL 1692 (DIL), 1693 (DIL), 1694 (DIL 1704 (DIL), 1706 (DIL), 1707 (DIL 3474 (DIL), 3475 (DIL), 3476 (DIL 3479 (DIL), 3480 (DIL), 3481 (DIL 3484 (DIL), 3485 (DIL), 3486 (DIL 3489 (DIL), 3490 (DIL), 3496 (DIL 3494 (DIL), 3495 (DIL), 3496 (DIL 3494 (DIL), 3495 (DIL), 3496 (DIL	.21. Water Rights DIL), 1665 (DIL), 166 1671 (DIL), 1672 (D . 1683 (DIL), 1685 (D . 1689 (DIL), 1685 (D . 1689 (DIL), 1690 (D . 1695 (DIL), 1703 (D . 1708 (DIL), 1709 (D . 3477 (DIL), 3478 (D . 3482 (DIL), 3483 (D . 3482 (DIL), 3483 (D . 3497 (DIL), 3493 (D . 3497 (DIL), 3498 (D	: Appurtenant to t 6(DPIL) IL) IL) IL) IL) IL) IL) IL)	he following use(	·	Hent Domestic Unit or I Family
STOCKWATER: Sole Supply: U	EVALUATED ELUS	Group Total: 10	00.0000 Div I	imit: 15.0 acft.	PERIOD OF USE: 01/01 TO 12/31
PLACE OF USE for STOCKWATERIN	[G*************	*******	******	******	*********************
Sec 34 T 13S R 13E SLBM	NORTH-WEST¼ NW NE SW SE * : : *	NORTH-EAST4 NW NE SW SE * : : *	SOUTH-WEST4 NW NE SW SE * : : *	SOUTH-EAST4 NW NE SW SE * : X: : *	
OTHER COMMENTS***********	***********	**********	****************	*******	*********
7/24 Interest. ************************************	*******	**************	*******************************	*******************************	************





#### THIS RIGHT IS BEING PROTESTED IN A PROPOSED DETERMINATION BOOK!!!

(WARNING: Water Rights makes NO claims as to the accuracy of this data.) RUN DATE: 01/26/2011 WATER RIGHT: 91-3519 APPLICATION/CLAIM NO.: CERT. NO.: NAME: Magnificent Seven L.L.C. ADDR: c/o GREG JENSEN 111 E CLARK ST ALBERTA LEA, MN 56007 INTEREST: 34.5% REMARKS: a Utah Limited Liability Company NAME: Penta Creek L.L.C. ADDR: c/o GREG JENSEN 111 E CLARK ST ALBERTA LEA, MN 56007 INTEREST: 65.5% REMARKS: a Utah Limited Liability Company LAND OWNED BY APPLICANT? Yes COUNTY TAX ID#: FILED: | PRIORITY: / /1869| PUB BEGAN: IPUB ENDED-ProtestEnd: [PROTESTED: [No ] | HEARNG HLD: [SE ACTION: [ ] |ActionDate: EXTENSION: |ELEC/PROOF:[ ] | ELEC/PROOF: |CERT/WUC: 10/28/1970|LAP, ETC: |LAPS LETTER: RUSH LETTR: | RENOVATE: TYPE: [ RECON REO: ] | PUB DATE: Type of Right: Diligence Claim Source of Info: Proposed Determination Status: Water User's Claim FT.OW . SOURCE: Right Fork Grassy Trail Creek COUNTY: Carbon COMMON DESCRIPTION: POINT OF DIVERSION . -- POINT TO POINT: ( 1) Stockwatering directly on stream from a point at S 660 ft. W 1980 ft. from E4 corner, Sec 06, T14S, R14E, SLBM, to a point at N 660 ft. W 660 ft. from S4 corner, Sec 06, T14S, R14E, SLBM. COMMENT: Administratively updated by State Engineer. USES OF WATER RIGHT****** ELU -- Equivalent Livestock Unit (cow, horse, etc.) ******* EDU -- Equivalent Domestic Unit or 1 Family

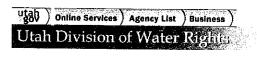




Select Related Information	,

### THIS RIGHT IS BEING PROTESTED IN A PROPOSED DETERMINATION BOOK!!!

(WARNING: WATER RIGHT: 91-3520	ater Rights makes APPLICATION/CLAIM		to the accur	acy of this dat	a.) RUN DATE: 01/26/2011
OWNERSHIP*********			******	******	
NAME: Magnificent Sever ADDR: c/o Greg Jensen 111 East Clark St Alberta Lea, MN S INTEREST: 34.5% RE	n L.L.C.				
NAME: Penta Creek L.L.C ADDR: c/o Greg Jensen 111 East Clark St Alberta Lea, MN 5 INTEREST: 65.5% RE	reet 6007 MARKS: a Utah Limited	Liability Company			
DATES, ETC.*********	**********	******	******	******	*****************
LAND OWNED BY APPLICANT FILED:   ProtestEnd:   PEXTENSION:   E	PRIORITY: / /1869 PRIORITY: / /1869 PRIORITY: / /1869 PRIORITY:	OUNTY TAX ID#: UB BEGAN: EARNG HLD: LEC/PROOF: ECON REQ: UB DATE:	PUB ENDED:   ISE ACTION: [   CERT/WUC: 10/2   TYPE: [	NEWSPAPER:   ActionDate: 8/1970 LAP, ETC: 	PROOF DUE:  LAPS LETTER:
Type of Right: Diligenc	e Claim	Source of Info: P	roposed Determinat	ion Status Ma	ter User's Claim
LOCATION OF WATER RIGHT	*** (Points of Diversio	n: Click on Locati	on to access PLAT	Program *********	AND WIEWED
POINT OF DIVERSION Po ( 1)Stockwatering direc	MMON DESCRIPTION:  OINT TO POINT:  tly on stream from a p  to a point at 1  COMMENT: Administra	SOURCE: Righ  oint at S 660 ft. N 660 ft. E 1980 ft	t Fork Grassy Trai. W 660 ft. from N4 of from W4 corner,	Corner, Sec 07, T14S, Sec 07, T14S, R14E,	R14E, SLBM, SLBM.
CODO OF MULTIN KICHLANA	**** <i>ELU Equivalent</i>	Livestock Unit (a	ow horse of a be-		lent Domestic Unit or 1 Family
SUPPLEMENTAL GROUP NO.: 91-98 (CERT), 298 (DIL), 16: 3006 (WUC), 3169 (DIL), 345: 3465 (DIL), 3519 (WUC), 352: 3526 (DIL), 3530 (DIL), 353: 4947 (PAC), 4948 (PAC)	615821. Water Right 35(DIL),1640(DIL),2655 8(DIL),3459(DIL),3464() 0(WUC),3521(DIL),3523() 2(DIL),3533(DIL),3579()	s Appurtenant to t (DIL) DIL) DIL) DIL)	he following use(s		Ient Domestic Unit or 1 Family
STOCKWATER: Sole Suppl	ly: UNEVALUATED ELUs	Group Total: 9	00,0000 Div Li		PERIOD OF USE: 01/01 TO 12/31
ATTACK OF ORE FOR STOCKMY	\TERING*********	******	************	******	**************************************
Sec 07 T 14C B 14E CIDM	NORTH-WEST⅓ NW NE SW SE	NORTH-EAST⅓ NW NE SW SE	SOUTH-WEST¾ NW NE SW SE	SOUTH-EAST¾ NW NE SW SE	



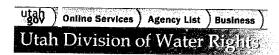


	*******	*******	******	***********	********
NAME: Magnificent Seven L.L ADDR: c/o GREG JENSEN	.c.				
111 E CLARK ST ALBERTA LEA, MN 5600 INTEREST: 34.5% REMARK	7 S: a Utah Limited Liab	oility Company			
NAME: Penta Creek L.L.C.					
ADDR: c/o GREG JENSEN 111 E CLARK ST ALBERTA LEA, MN 5600' INTEREST: 65.5% REMARK					
	S: a Utah Limited Liab			***************************************	****************
LAND OWNED BY APPLICANT? Yes					**************************************
FILED: [PRIOR] ProtestEnd: [PROTE; EXTENSION: [ELEC/] RUSH LETTR:   RENOV; PD BOOK; [91-5]   MAP:	ITY: 00/00/1869 PUB E STED: [No ] HEARN PROOF:[ ] ELEC/ ATE:   RECON [58c   ]PUR F	IG HLD: 'PROOF: I REQ:		,	PROOF DUE:  LAPS LETTER:
Type of Right: Diligence Cla	aum Sou	irce of Info: Pr	oposed Determinati	on Status:	
LOCATION OF WATER RIGHT***(I	Points of Diversion: C	lick on Locatio	n to access PLAT P	rooram 1************************************	P VIEWER***********
FIOM:	DESCRIPTION:	SOURCE: Grass	y Trail Creek	7#26dc=1165556d20cc=20	C VIGNOR
POINT OF DIVERSION POINT ( 1)Stockwatering directly c	on stream from a point to a point at S 70 DMMENT: Administrative	ft. W 2270 ft.	from E4 corner, S	ec 06, T158, R14E, SL	BM.
USES OF WATER RIGHT*******	ELU Equivalent Liv	estock Unit (co	w horse etc.) th		ent Domestic Unit or 1 Family
SUPPLEMENTAL GROUP NO.: <u>614</u> 91-408 (DIL), 660 (DIL), 665 (DIL 1679 (DIL), 1680 (DIL), 1681 (DIL 2647 (DIL), 3691 (DIL), 3131 (DIL 3425 (DIL), 3441 (DIL), 3504 (DIL 3507 (DIL), 3508 (DIL), 3504 (DIL 3512 (DIL), 3513 (DIL), 3514 (DIL 3517 (DIL), 3518 (DIL), 3514 (DIL 3681 (DIL), 3687 (DIL), 3908 (DIL	al, 367 (DIL), 1678 (DIL) al), 2233 (DIL), 2341 (DIL) al), 3419 (DIL), 3423 (DIL) al), 3505 (DIL), 3506 (DIL) al), 3510 (DIL), 3511 (DIL) al), 3515 (DIL), 3516 (DIL) al), 3525 (DIL), 3591 (DIL) al), 3525 (DIL), 3591 (DIL)				•
,, ,, (DIM, , 3900 (DIL					
STOCKWATER: Sole Supply: U	NEVALUATED ELUs	Group Total: 810	0.0000 Div tir	it 12 16 20ft r	ERIOD OF USE: 05/01 TO 11/30
STOCKWATER: Sole Supply: U SUPPLEMENTAL GROUP NO.: 6140 91-408 (DIL), 660 (DIL), 665 (DIL 1679 (DIL), 1680 (DIL), 1681 (DIL 2647 (DIL), 3041 (DIL), 3131 (DIL 4423 (DIL), 3425 (DIL), 3406 (DIL 5506 (DIL), 3507 (DIL), 3508 (DIL 5511 (DIL), 3512 (DIL), 5518 (DIL 5516 (DIL), 3517 (DIL), 3518 (DIL	804. Water Rights Ap 1., 667 (DIL), 1679 (DIL) 1, 2233 (DIL), 2341 (DIL) 1, 3419 (DIL), 3421 (DIL) 1, 3504 (DIL), 3505 (DIL) 1, 3509 (DIL), 3510 (DIL) 1, 3514 (DIL), 3515 (DIL) 1, 3521 (DIL), 3525 (DIL)	Group Total: 810	0.0000 Div Lin	it: 12.16 acft. F	PRIOR OF COR. OF CO
STOCKWATER: Sole Supply: U SUPPLEMENTAL GROUP NO.: 614( 21-408 (DIL), 660 (DIL), 665 (DIL 679 (DIL), 1680 (DIL), 1681 (DIL 647 (DIL), 3041 (DIL), 3131 (DIL 3423 (DIL), 3425 (DIL), 3440 (DIL 3506 (DIL), 3507 (DIL), 3508 (DIL 5516 (DIL), 3512 (DIL), 3518 (DIL 5516 (DIL), 3517 (DIL), 3587 (DIL 5591 (DIL), 3681 (DIL), 3687 (DIL STOCKWATER: Sole Supply: U	NEVALUATED ELUS  804_ Water Rights Ap ), 667 (DIL), 1678 (DIL) ), 2233 (DIL), 2341 (DIL) ), 3419 (DIL), 3421 (DIL) ), 3504 (DIL), 3505 (DIL) ), 3504 (DIL), 3515 (DIL) ), 3514 (DIL), 3515 (DIL) ), 3521 (DIL), 3525 (DIL) ), 3908 (DIL)	Group Total: 81	0.0000 Div Lin	it: 12.16 acft.	ERIOD OF USE: 05/01 TO 11/30
STOCKWATER: Sole Supply: U SUPPLEMENTAL GROUP NO.: 6140 21-408 (DIL), 669 (DIL), 665 (DIL 679 (DIL), 1680 (DIL), 665 (DIL 679 (DIL), 1680 (DIL), 1313 (DIL 647 (DIL), 3041 (DIL), 3131 (DIL 623 (DIL), 3512 (DIL), 3513 (DIL 6506 (DIL), 3512 (DIL), 3518 (DIL 6516 (DIL), 3512 (DIL), 3518 (DIL 6591 (DIL), 3681 (DIL), 3687 (DIL 6591 (DIL), 3681 (DIL), 1635 (DIL 6591 (DIL), 3691 (DIL), 1635 (DIL 6591 (DIL), 3691 (DIL), 1635 (DIL 650 (DIL), 3519 (WIC), 3520 (WIC), 3526 (DIL), 3530 (DIL), 3524 (DIL), 5326 (DIL), 3533 (DIL), 3524 (DIL), 3524 (DIL), 3524 (DIL), 3524 (DIL), 3524 (DIL), 3524 (DIL), 3524 (DIL), 3524 (DIL), 3524 (DIL), 3524 (DIL), 3524 (DIL), 3524 (DIL), 3524 (DIL), 3524 (DIL), 3524 (DIL), 3524 (DIL), 3524 (DIL), 3524 (DIL), 3524 (DIL), 3524 (DIL), 3524 (DIL), 3524 (DIL), 3524 (DIL), 3524 (DIL), 3524 (DIL), 3524 (DIL), 3524 (DIL), 3524 (DIL), 3524 (DIL), 3524 (DIL), 3524 (DIL), 3524 (DIL), 3524 (DIL), 3524 (DIL), 3524 (DIL), 3524 (DIL), 3524 (DIL), 3524 (DIL), 3524 (DIL), 3524 (DIL), 3524 (DIL), 3524 (DIL), 3524 (DIL), 3524 (DIL), 3524 (DIL), 3524 (DIL), 3524 (DIL), 3524 (DIL), 3524 (DIL), 3524 (DIL), 3524 (DIL), 3524 (DIL), 3524 (DIL), 3524 (DIL), 3524 (DIL), 3524 (DIL), 3524 (DIL), 3524 (DIL), 3524 (DIL), 3524 (DIL), 3524 (DIL), 3524 (DIL), 3524 (DIL), 3524 (DIL), 3524 (DIL), 3524 (DIL), 3524 (DIL), 3524 (DIL), 3524 (DIL), 3524 (DIL), 3524 (DIL), 3524 (DIL), 3524 (DIL), 3524 (DIL), 3524 (DIL), 3524 (DIL), 3524 (DIL), 3524 (DIL), 3524 (DIL), 3524 (DIL), 3524 (DIL), 3524 (DIL), 3524 (DIL), 3524 (DIL), 3524 (DIL), 3524 (DIL), 3524 (DIL), 3524 (DIL), 3524 (DIL), 3524 (DIL), 3524 (DIL), 3524 (DIL), 3524 (DIL), 3524 (DIL), 3524 (DIL), 3524 (DIL), 3524 (DIL), 3524 (DIL), 3524 (DIL), 3524 (DIL), 3524 (DIL), 3524 (DIL), 3524 (DIL), 3524 (DIL), 3524 (DIL), 3524 (DIL), 3524 (DIL), 3524 (DIL), 3524 (DIL), 3524 (DIL), 3524 (DIL), 3524 (DIL), 3524 (DIL), 3524 (DIL), 3524 (DIL), 3524 (DIL), 3524 (DIL), 3524 (DIL), 3524 (DIL), 3524 (DIL), 3524 (DIL), 3524 (DIL), 3524 (DIL), 3524 (DIL), 3524 (DIL), 3524 (DIL), 3524 (DIL), 35	804_ Water Rights Ap 1), 667 (DIL), 1678 (DIL) 1), 233 (DIL), 2341 (DIL) 1), 3419 (DIL), 3421 (DIL) 1), 3504 (DIL), 3505 (DIL) 1), 3509 (DIL), 3515 (DIL) 1), 3514 (DIL), 3515 (DIL) 1), 3521 (DIL), 3525 (DIL) 1), 3908 (DIL)  NEVALUATED ELUS 2321_ Water Rights Ap 1, 1640 (DIL), 2655 (DIL) 1, 3459 (DIL), 3464 (DIL) 1, 3522 (DIL), 3464 (DIL) 1, 3522 (DIL), 3525 (DIL) 1, 3459 (DIL), 3464 (DIL) 1, 3522 (DIL), 3523 (DIL) 1, 3522 (DIL), 3523 (DIL) 1, 3521 (DIL), 3523 (DIL)	Group Total: 810	0.0000 Div Lin e following use(s)	it: 12.16 acft. p	ERIOD OF USE: 05/01 TO 11/30
STOCKWATER: Sole Supply: U SUPPLEMENTAL GROUP NO.: 614 11-408 (DIL), 660 (DIL), 665 (DIL 1679 (DIL), 1680 (DIL), 665 (DIL 1679 (DIL), 1680 (DIL), 1313 (DIL 1423 (DIL), 3041 (DIL), 3131 (DIL 1423 (DIL), 3507 (DIL), 3513 (DIL 1516 (DIL), 3507 (DIL), 3513 (DIL 1516 (DIL), 3517 (DIL), 3513 (DIL 1516 (DIL), 3517 (DIL), 3513 (DIL 1516 (DIL), 3517 (DIL), 3687 (DIL 1516 (DIL), 3681 (DIL), 3687 (DIL 1670 (DIL), 3681 (DIL), 3687 (DIL 1670 (DIL), 3681 (DIL), 3687 (DIL 1670 (DIL), 3681 (DIL), 3687 (DIL), 3687 (DIL), 3687 (DIL), 3687 (DIL), 3687 (DIL), 3687 (DIL), 3687 (DIL), 3687 (DIL), 3687 (DIL), 3687 (DIL), 3687 (DIL), 3687 (DIL), 3687 (DIL), 3687 (DIL), 3687 (DIL), 3687 (DIL), 3687 (DIL), 3687 (DIL), 3687 (DIL), 3687 (DIL), 3687 (DIL), 3687 (DIL), 3687 (DIL), 3687 (DIL), 3687 (DIL), 3687 (DIL), 3687 (DIL), 3687 (DIL), 3687 (DIL), 3687 (DIL), 3687 (DIL), 3687 (DIL), 3687 (DIL), 3687 (DIL), 3687 (DIL), 3687 (DIL), 3687 (DIL), 3687 (DIL), 3687 (DIL), 3687 (DIL), 3687 (DIL), 3687 (DIL), 3687 (DIL), 3687 (DIL), 3687 (DIL), 3687 (DIL), 3687 (DIL), 3687 (DIL), 3687 (DIL), 3687 (DIL), 3687 (DIL), 3687 (DIL), 3687 (DIL), 3687 (DIL), 3687 (DIL), 3687 (DIL), 3687 (DIL), 3687 (DIL), 3687 (DIL), 3687 (DIL), 3687 (DIL), 3687 (DIL), 3687 (DIL), 3687 (DIL), 3687 (DIL), 3687 (DIL), 3687 (DIL), 3687 (DIL), 3687 (DIL), 3687 (DIL), 3687 (DIL), 3687 (DIL), 3687 (DIL), 3687 (DIL), 3687 (DIL), 3687 (DIL), 3687 (DIL), 3687 (DIL), 3687 (DIL), 3687 (DIL), 3687 (DIL), 3687 (DIL), 3687 (DIL), 3687 (DIL), 3687 (DIL), 3687 (DIL), 3687 (DIL), 3687 (DIL), 3687 (DIL), 3687 (DIL), 3687 (DIL), 3687 (DIL), 3687 (DIL), 3687 (DIL), 3687 (DIL), 3687 (DIL), 3687 (DIL), 3687 (DIL), 3687 (DIL), 3687 (DIL), 3687 (DIL), 3687 (DIL), 3687 (DIL), 3687 (DIL), 3687 (DIL), 3687 (DIL), 3687 (DIL), 3687 (DIL), 3687 (DIL), 3687 (DIL), 3687 (DIL), 3687 (DIL), 3687 (DIL), 3687 (DIL), 3687 (DIL), 3687 (DIL), 3687 (DIL), 3687 (DIL), 3687 (DIL), 3687 (DIL), 3687 (DIL), 3687 (DIL), 3687 (DIL), 3687 (DIL), 3687 (DIL), 3687 (DIL), 3687 (DIL), 3687 (DIL), 3687 (DIL), 3687 (DIL),	NEVALUATED ELUS  804. Water Rights Ap 1, 667 (DIL), 1678 (DIL) 2, 233 (DIL), 2341 (DIL) 1, 3419 (DIL), 3421 (DIL) 1, 3504 (DIL), 3505 (DIL) 1, 3509 (DIL), 3510 (DIL) 1, 3509 (DIL), 3515 (DIL) 1, 3514 (DIL), 3515 (DIL) 1, 3908 (DIL)  NEVALUATED ELUS  221. Water Rights Ap 1, 1640 (DIL), 2655 (DIL) 1, 3459 (DIL), 3464 (DIL) 1, 3523 (DIL), 3523 (DIL) 1, 3533 (DIL), 3579 (DIL) 1, 3533 (DIL), 3579 (DIL)	group Total: 810	0.0000 Div Lin e following use(s)  0.0000 Div Lin e following use(s)	it: 12.16 acft. p	ERIOD OF USE: 05/01 TO 11/30
STOCKWATER: Sole Supply: U SUPPLEMENTAL GROUP NO.: 6140 91-408 (DIL), 660 (DIL), 665 (DIL 679 (DIL), 1680 (DIL), 1681 (DIL 679 (DIL), 3041 (DIL), 3131 (DIL 3423 (DIL), 3041 (DIL), 3140 (DIL 3506 (DIL), 3512 (DIL), 3518 (DIL 3516 (DIL), 3512 (DIL), 3518 (DIL 3516 (DIL), 3512 (DIL), 3518 (DIL 3516 (DIL), 3512 (DIL), 3518 (DIL 3516 (DIL), 3681 (DIL), 3687 (DIL 3506 (DIL), 3681 (DIL), 3687 (DIL 3506 (DIL), 3169 (DIL), 3458 (DIL 455 (DIL), 3519 (MUC), 3520 (MUC) 3526 (DIL), 3530 (DIL), 3458 (DIL 3526 (DIL), 3530 (DIL), 3532 (DIL 947 (PAC), 4948 (PAC)  STOCKWATER: Sole Supply: U LACE OF USE for STOCKWATERIN	NEVALUATED ELUS  804. Water Rights Ap 1), 667 (DIL), 1678 (DIL) 1, 2233 (DIL), 2341 (DIL) 1, 3504 (DIL), 3505 (DIL) 1, 3509 (DIL), 3515 (DIL) 1, 3509 (DIL), 3515 (DIL) 1, 3514 (DIL), 3515 (DIL) 1, 3514 (DIL), 3515 (DIL) 1, 3521 (DIL), 3525 (DIL) 1, 3908 (DIL) 1, 3908 (DIL) 221. Water Rights Ap 1, 1640 (DIL), 2655 (DIL) 1, 3521 (DIL), 3523 (DIL) 1, 3533 (DIL), 3539 (DIL) 1, 3533 (DIL), 3579 (DIL) 1, 3533 (DIL), 3579 (DIL) 1, 3533 (DIL), 3579 (DIL) 1, 3590 (DIL)	purtenant to the siroup Total: 810	0.0000 Div Lim e following use(s)  0.0000 Div Lim e following use(s)	it: 12.16 acft. P	ERIOD OF USE: 05/01 TO 11/30  ERIOD OF USE: 05/01 TO 11/30  ERIOD OF USE: 01/01 TO 12/31
STOCKWATER: Sole Supply: U SUPPLEMENTAL GROUP NO.: 6140 91-408(DIL), 660(DIL), 665(DIL) 679(DIL), 1680(DIL), 1681(DIL 679(DIL), 1680(DIL), 1313(DIL 9423(DIL), 3041(DIL), 3131(DIL 9506(DIL), 3512(DIL), 3440(DIL) 9506(DIL), 3512(DIL), 3518(DIL 9514(DIL), 3512(DIL), 3518(DIL 9514(DIL), 3512(DIL), 3518(DIL 9514(DIL), 3512(DIL), 3518(DIL 9514(DIL), 3512(DIL), 3518(DIL 9514(DIL), 3681(DIL), 3687(DIL 961(DIL), 3681(DIL), 3687(DIL 961(DIL), 369(DIL), 1635(DIL 961(DIL), 3519(WUC), 3520(WUC) 961(DIL), 3519(WUC), 3520(WUC) 961(DIL), 3519(WUC), 3522(DIL 961(DIL), 3519(WUC), 3522(DIL 961(DIL), 3519(WUC), 3522(DIL 961(DIL), 3519(WUC), 3522(DIL 961(DIL), 3519(WUC), 3522(DIL 961(DIL), 3519(WUC), 3522(DIL 961(DIL), 3519(WUC), 3522(DIL 961(DIL), 3519(WUC), 3522(DIL 961(DIL), 3519(WUC), 3522(DIL 961(DIL), 3519(WUC), 3522(DIL 961(DIL), 3519(WUC), 3522(DIL 961(DIL), 3519(WUC), 3522(DIL 961(DIL), 3519(WUC), 3522(DIL 961(DIL), 3519(WUC), 3522(DIL 961(DIL), 3519(WUC), 3522(DIL 961(DIL), 3519(WUC), 3522(DIL 961(DIL), 3519(WUC), 3522(DIL 961(DIL), 3519(WUC), 3522(DIL 961(DIL), 3519(WUC), 3522(DIL 961(DIL), 3519(WUC), 3522(DIL 961(DIL), 3519(WUC), 3522(DIL 961(DIL), 3519(WUC), 3522(DIL 961(DIL), 3519(WUC), 3522(DIL 961(DIL), 3519(WUC), 3522(DIL 961(DIL), 3519(WUC), 3522(DIL 961(DIL), 3519(WUC), 3522(DIL 961(DIL), 3519(WUC), 3522(DIL 961(DIL), 3519(WUC), 3522(DIL 961(DIL), 3519(WUC), 3522(DIL 961(DIL), 3519(WUC), 3522(DIL 961(DIL), 3519(WUC), 3522(DIL 961(DIL), 3519(WUC), 3522(DIL 961(DIL), 3519(WUC), 3522(DIL 961(DIL), 3519(WUC), 3522(DIL 961(DIL), 3519(WUC), 3522(DIL 961(DIL), 3519(WUC), 3522(DIL 961(DIL), 3519(WUC), 3522(DIL 961(DIL), 3519(WUC), 3522(DIL 961(DIL), 3519(WUC), 3522(DIL 961(DIL), 3519(WUC), 3522(DIL 961(DIL), 3519(WUC), 3522(DIL 961(DIL), 3519(WUC), 3522(DIL 961(DIL), 3519(WUC), 3522(DIL 961(DIL), 3519(WUC), 3522(DIL 961(DIL), 3519(WUC), 3522(DIL 961(DIL), 3519(WUC), 3522(DIL 961(DIL), 3519(WUC), 3522(DIL 961(DIL), 3519(WUC), 3522(DIL 961(DIL), 3519(WUC), 3522(DIL 961(DIL), 3519(WUC), 3522(DIL 961(DIL), 3519(WUC), 3522(DI	NEVALUATED ELUS  804. Water Rights Ap 1), 667 (DIL), 1678 (DIL) 1, 2233 (DIL), 2341 (DIL) 1, 3504 (DIL), 3505 (DIL) 1, 3509 (DIL), 3515 (DIL) 1, 3509 (DIL), 3515 (DIL) 1, 3514 (DIL), 3515 (DIL) 1, 3514 (DIL), 3515 (DIL) 1, 3521 (DIL), 3525 (DIL) 1, 3908 (DIL) 1, 3908 (DIL) 221. Water Rights Ap 1, 1640 (DIL), 2655 (DIL) 1, 3521 (DIL), 3523 (DIL) 1, 3533 (DIL), 3539 (DIL) 1, 3533 (DIL), 3579 (DIL) 1, 3533 (DIL), 3579 (DIL) 1, 3533 (DIL), 3579 (DIL) 1, 3590 (DIL)	Group Total: 810  Group Total: 810  purtenant to the  croup Total: 900  croup Total: 900	0.0000 Div Lin e following use(s)  0.0000 Div Lin e following use(s)	it: 12.16 acft. P	ERIOD OF USE: 05/01 TO 11/30  ERIOD OF USE: 05/01 TO 11/30





**************************************	*******************************	*****
AME: Sunnyside Cogeneration DDR: Attn: Plant Manager P.O. Box 159 Sunnyside UT 84539 NTEREST: 100% REMARI	tion Associates	
ATES, ETC.***********	***************************************	****
AND OWNED BY APPLICANT? YELDE: PROTE PROTE PROTE PROTE VERNELON: PELEC. USH LETTE: RENOW DE BOOK: [91-5] MAP: TYPE DOCUMENT STATUS	Yes	:
ype of Right: Diligence Cl	Claim Source of Info: Proposed Determination Status:	
OCATION OF WATER RIGHT***	** (Points of Diversion: Click on Location to access PLAT Program ) ***********************************	********
DON:	SOURCE: Grassy Trail Creek ON DESCRIPTION:	
SES OF WATER RIGHT*******  PPLEMENTAL GROUP NO.: 61	y on stream from a point at S 70 ft. W 2270 ft. from E4 corner, Sec 06, T15S, R14E, SLBM, to a point at S 660 ft. W 1980 ft. from E4 corner, Sec 05, T14S, R14E, SLBM. COMMENT: Administratively updated by State Engineer.  ** ELU Equivalent Livestock Unit (cow, horse, etc.) ******** EDU Equivalent Domestic Unit 14821. Water Rights Appurtenant to the following use(s): 27(DIL), 3759(DIL), 3882(DIL)	
	: UNEVALUATED ELUS Group Total: 150.0000 Div Limit: 4.2 acft. PERIOD OF USE: 01	
	<u>1561/.</u> Water Rights Appurtenant to the following use(s): CERT),139(CERT),143(CERT)	
PPLEMENTAL GROUP NO.: 615 -37 (CERT), 99 (CERT), 118 (CE 5 (CERT), 158 (CERT), 159 (CER 2 (DEC), 3522 (DIL), 3524 (DIL 42 (WD)	ERT), 361 (DEC), 364 (DEC) IL), 3761 (DIL), 4941 (UNAP)	
PPLEMENTAL GROUP NO.: 615 -37 (CERT), 99 (CERT), 118 (CE 5 (CERT), 158 (CERT), 159 (CER 2 (DEC), 3522 (DIL), 3524 (DIL 42 (WD)  POWER: SCA Steam Gene CFS Contrib	ERT), 361(DEC), 364 (DEC)  IL), 3761(DIL), 4941 (UNAP)  neration Power Plant, rated at 58 MW. PERIOD OF USE: 01  ibuted by this Right for this Use: Unevaluated	
PPLEMENTAL GROUP NO.: 615 -37(CERT), 99(CERT), 118(CE 5(CERT), 158(CERT), 159(CER 2(DEC), 3522(DIL), 3524(DIL) 42(WD)  POWER: SCA Steam Gene CFS Contrib  ###PLACE OF USE:	ERT), 361 (DEC), 364 (DEC)  IL), 3761 (DIL), 4941 (UNAP)  neration Power Plant, rated at 58 MW.  period of USE: 01  tibuted by this Right for this Use: Unevaluated NORTH WEST QUARTER*	1/01 TO 12/31SOUTH EA * NW   NE *X
PPLEMENTAL GROUP NO.: 615 -37(CERT), 99(CERT), 118(CE 5(CERT), 158(CERT), 159(CER 2(DEC), 3522(DIL), 3524(DIL) 42(WD)  POWER: SCA Steam Gene CFS Contrib  ###PLACE OF USE: *- ec 06 T 15S R 14E SLBM *  ACE OF USE for STOCKWATER.	ERT), 361 (DEC), 364 (DEC)  IL), 3761 (DIL), 4941 (UNAP)  neration Power Plant, rated at 58 MW.  period of USE: 01  tibuted by this Right for this Use: Unevaluated NORTH WEST QUARTER	1/01 TO 12/31*SOUTH EA * NW   NE *X   GRO





Please be aware that the claim under this Water Right Number has NOT been established in accordance with statute and its validity is in question. Therefore, CAUTION is advised when relying upon this record!!!

(WARNING: Water Rights makes NO claims as to the accuracy of this data.) RUN DATE: 01/26/2011 WATER RIGHT: 91-4398 APPLICATION/CLAIM NO.: CERT. NO.:
CBAT. NO.:
NAME: Utah School and Institutional Trust Lands Admin. ADDR: 675 East 500 South, 5th Floor Salt Lake City UT 84102 INTEREST: 100% REMARKS:
DATES, ETC.************************************
LAND OWNED BY APPLICANT? YES  COUNTY TAX ID#:  FILED:   PRIORITY: / /1869  PUB BEGAN:   PUB ENDED:   INEWSPAPER:    ProtestEnd:   PROTESTED: [No
Type of Right: Pending Adjudication Claim Source of Info: Water User's Claim Status:
LOCATION OF WATER RIGHT***(Points of Diversion: Click on Location to access PLAT Program.)************************************
POINT OF DIVERSION POINT TO POINT:  (1) Stockwatering directly on stream from a point at S 660 ft. E 660 ft. from N4 corner, Sec 02, T14S, R13E, SLBM, to a point at S 660 ft. W 660 ft. from NE corner, Sec 02, T14S, R13E, SLBM.  COMMENT: Administratively updated by State Engineer.
USES OF WATER RIGHT******* ELU Equivalent Livestock Unit (cow, horse, etc.) ******* EDU Equivalent Domestic Unit or 1 Family

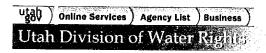




Select Related Information	•

Please be aware that the claim under this Water Right Number has NOT been established in accordance with statute and its validity is in question. Therefore, CAUTION is advised when relying upon this record!!!

(WARNING: Water Rights makes NO claims as to the accuracy of this data.) RUN DATE: 01/26/2011 WATER RIGHT: 91-4513 APPLICATION/CLAIM NO.: CERT. NO.: NAME: Utah School and Institutional Trust Lands Admin. ADDR: 675 East 500 South, Suite 500 Salt Lake City UT 84102 INTEREST: 100% REMARKS: LAND OWNED BY APPLICANT? COUNTY TAX ID#: PRIORITY: | PRIORITY: / /1869| PUB BEGAN: | PROTESTED: [No ] | HEARNG HLD | PUB ENDED: | NEWSPAPER: ProtestEnd: SE ACTION: [ ] | HEARNG HLD: ] [ActionDate: EXTENSION: |ELEC/PROOF: [ ] | ELEC/PROOF: |CERT/WUC: |LAP, ETC: |LAPS LETTER: RUSH LETTR: | RENOVATE: RECON REQ: TYPE: [ PD BOOK: [91- ] | MAP: [57 *TYPE -- DOCUMENT -- STATUS----] | PUB DATE: Type of Right: Pending Adjudication Claim Source of Info: Water User's Claim FLOW: 0.015 cfs SOURCE: Mels Spring COUNTY: Carbon COMMON DESCRIPTION: POINT OF DIVERSION: ( 1) Stockwatering directly on spring located at S 660 ft. W 660 ft. from E4 corner, Sec 03, T14S, R13E, SLBM. COMMENT: Administratively updated by State Engineer. SOURCE: Mels Spring USES OF WATER RIGHT******* ELU -- Equivalent Livestock Unit (cow, horse, etc.) ******* EDU -- Equivalent Domestic Unit or 1 Family





Please be aware that the claim under this Water Right Number has NOT been established in accordance with statute and its validity is in question. Therefore, CAUTION is advised when relying upon this record!!!

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(WARNING: Water Rights makes NO claims as to the accuracy of this data.) RUN DATE: 01/26/2011
      WATER RIGHT: 91-4660
                                                                                                             APPLICATION/CLAIM NO.:
      NAME: Price Field Office USA Bureau of Land Management
     ADDR: Moab District
                            125 South 600 West
                            Price UT 84501
      INTEREST: 100%
                                                                                     REMARKS:
     ______
      LAND OWNED BY APPLICANT?
                                                                                                                                                                                COUNTY TAX ID#:
     FILED:
                                                                                        PRIORITY:
                                                                                                                                             / /1869|PUB BEGAN:
                                                                                                                                                                                                                                                                  PUB ENDED:
                                                                                                                                                                                                                                                                                                                                                        INEWSPAPER .
     ProtestEnd:
                                                                                      PROTESTED: (No
                                                                                                                                                            ] | HEARNG HLD:
| | ELEC/PROOF:
                                                                                                                                                                                                                                                                   SE ACTION: [
                                                                                                                                                                                                                                                                                                                                                 ] | ActionDate:
                                                                                                                                                                                                                                                                                                                                                                                                                                              | PROOF DUE:
    EXTENSION:
                                                                                        |ELEC/PROOF: [
                                                                                                                                                                                                                                                                  | CERT/WUC:
                                                                                                                                                                                                                                                                                                                                                         LAP, ETC:
                                                                                                                                                                                                                                                                                                                                                                                                                                            | LAPS LETTER:
     RUSH LETTR;
                                                                                                                                                                            RECON REQ:
                                                                                      IRENOVATE:
    Type of Right: Pending Adjudication Claim
                                                                                                                                                                                   Source of Info: Water User's Claim
                                                                                                                                                                                                                                                                                                                                                                           Status:
    SOURCE: Bear Creek
    COUNTY: Carbon
                                                                                     COMMON DESCRIPTION:
    POINT OF DIVERSION -- POINT TO POINT:
    ( 1)Stockwatering directly on stream from a point at S 660 ft. W 660 ft. from NE corner, Sec 09, T14S, R13E, SLBM, to a point at N 660 ft. E 660 ft. from SW corner, Sec 09, T14S, R13E, SLBM.

COMMENT: Administratively updated by State Engineer.
                                                                                                         SOURCE: Bear Creek
    USES OF WATER RIGHT******* ELU -- Equivalent Livestock Unit (cow, horse, etc.) ******* EDU -- Equivalent Domestic Unit or 1 Family
   SUPPLEMENTAL GROUP NO.: 615265. Water Rights Appurtenant to the following use(s): 91-2380(DIL), 2580(DIL), 2591(DIL), 2606(DIL), 2650(DIL) 3158(DIL), 3355(DIL), 3355(DIL), 3755(DIL), 3756(DIL), 3756(DIL), 3756(DIL), 3756(DIL), 3756(DIL), 3756(DIL), 3756(DIL), 3756(DIL), 3756(DIL), 3756(DIL), 3756(DIL), 3756(DIL), 3756(DIL), 3756(DIL), 3756(DIL), 3756(DIL), 3756(DIL), 3756(DIL), 3756(DIL), 3756(DIL), 3756(DIL), 3756(DIL), 3756(DIL), 3756(DIL), 3756(DIL), 3756(DIL), 3756(DIL), 3756(DIL), 3756(DIL), 3756(DIL), 3756(DIL), 3756(DIL), 3756(DIL), 3756(DIL), 3756(DIL), 3756(DIL), 3756(DIL), 3756(DIL), 3756(DIL), 3756(DIL), 3756(DIL), 3756(DIL), 3756(DIL), 3756(DIL), 3756(DIL), 3756(DIL), 3756(DIL), 3756(DIL), 3756(DIL), 3756(DIL), 3756(DIL), 3756(DIL), 3756(DIL), 3756(DIL), 3756(DIL), 3756(DIL), 3756(DIL), 3756(DIL), 3756(DIL), 3756(DIL), 3756(DIL), 3756(DIL), 3756(DIL), 3756(DIL), 3756(DIL), 3756(DIL), 3756(DIL), 3756(DIL), 3756(DIL), 3756(DIL), 3756(DIL), 3756(DIL), 3756(DIL), 3756(DIL), 3756(DIL), 3756(DIL), 3756(DIL), 3756(DIL), 3756(DIL), 3756(DIL), 3756(DIL), 3756(DIL), 3756(DIL), 3756(DIL), 3756(DIL), 3756(DIL), 3756(DIL), 3756(DIL), 3756(DIL), 3756(DIL), 3756(DIL), 3756(DIL), 3756(DIL), 3756(DIL), 3756(DIL), 3756(DIL), 3756(DIL), 3756(DIL), 3756(DIL), 3756(DIL), 3756(DIL), 3756(DIL), 3756(DIL), 3756(DIL), 3756(DIL), 3756(DIL), 3756(DIL), 3756(DIL), 3756(DIL), 3756(DIL), 3756(DIL), 3756(DIL), 3756(DIL), 3756(DIL), 3756(DIL), 3756(DIL), 3756(DIL), 3756(DIL), 3756(DIL), 3756(DIL), 3756(DIL), 3756(DIL), 3756(DIL), 3756(DIL), 3756(DIL), 3756(DIL), 3756(DIL), 3756(DIL), 3756(DIL), 3756(DIL), 3756(DIL), 3756(DIL), 3756(DIL), 3756(DIL), 3756(DIL), 3756(DIL), 3756(DIL), 3756(DIL), 3756(DIL), 3756(DIL), 3756(DIL), 3756(DIL), 3756(DIL), 3756(DIL), 3756(DIL), 3756(DIL), 3756(DIL), 3756(DIL), 3756(DIL), 3756(DIL), 3756(DIL), 3756(DIL), 3756(DIL), 3756(DIL), 3756(DIL), 3756(DIL), 3756(DIL), 3756(DIL), 3756(DIL), 3756(DIL), 3756(DIL), 3756(DIL), 3756(DIL), 3756(DIL), 3756(DIL), 3756(DIL), 3756(DIL), 3756(DIL), 3756(DIL), 3756
    4393 (PAC), 4405 (PAC), 4424 (PAC), 4464 (PAC), 4465 (PAC)
   4466 (PAC) , 4467 (PAC) , 4572 (PAC) , 4573 (PAC) , 4574 (PAC) 
4575 (PAC) , 4589 (PAC) , 4638 (PAC) , 4639 (PAC) , 4658 (PAC)
    4659 (PAC), 4660 (PAC), 4661 (PAC), 4786 (PAC), 4828 (CERT)
          STOCKWATER: Sole Supply: UNEVALUATED ELUS
                                                                                                                                                                                            Group Total: 15.0000
                                                                                                                                                                                                                                                                                                       Div Limit:
                                                                                                                                                                                                                                                                                                                                                                                                                    PERIOD OF USE: 01/01 TO 12/31
   Mud Springs Allotment
    SUPPLEMENTAL GROUP NO.: 615666. Water Rights Appurtenant to the following use(s):
 91-2380 (DIL), 2580 (DIL), 2591 (DIL), 2606 (DIL), 2650 (DIL)
3158 (DIL), 3335 (DIL), 3540 (DIL), 3755 (DIL), 3756 (DIL)
4393 (PAC), 4405 (PAC), 4424 (PAC), 4464 (PAC), 4465 (PAC), 4467 (PAC), 4573 (PAC), 4573 (PAC), 4573 (PAC), 4573 (PAC), 4573 (PAC), 4573 (PAC), 4573 (PAC), 4573 (PAC), 4573 (PAC), 4573 (PAC), 4573 (PAC), 4573 (PAC), 4573 (PAC), 4573 (PAC), 4573 (PAC), 4573 (PAC), 4573 (PAC), 4573 (PAC), 4573 (PAC), 4573 (PAC), 4573 (PAC), 4573 (PAC), 4573 (PAC), 4573 (PAC), 4573 (PAC), 4573 (PAC), 4573 (PAC), 4573 (PAC), 4573 (PAC), 4573 (PAC), 4573 (PAC), 4573 (PAC), 4573 (PAC), 4573 (PAC), 4573 (PAC), 4573 (PAC), 4573 (PAC), 4573 (PAC), 4573 (PAC), 4573 (PAC), 4573 (PAC), 4573 (PAC), 4573 (PAC), 4573 (PAC), 4573 (PAC), 4573 (PAC), 4573 (PAC), 4573 (PAC), 4573 (PAC), 4573 (PAC), 4573 (PAC), 4573 (PAC), 4573 (PAC), 4573 (PAC), 4573 (PAC), 4573 (PAC), 4573 (PAC), 4573 (PAC), 4573 (PAC), 4573 (PAC), 4573 (PAC), 4573 (PAC), 4573 (PAC), 4573 (PAC), 4573 (PAC), 4573 (PAC), 4573 (PAC), 4573 (PAC), 4573 (PAC), 4573 (PAC), 4573 (PAC), 4573 (PAC), 4573 (PAC), 4573 (PAC), 4573 (PAC), 4573 (PAC), 4573 (PAC), 4573 (PAC), 4573 (PAC), 4573 (PAC), 4573 (PAC), 4573 (PAC), 4573 (PAC), 4573 (PAC), 4573 (PAC), 4573 (PAC), 4573 (PAC), 4573 (PAC), 4573 (PAC), 4573 (PAC), 4573 (PAC), 4573 (PAC), 4573 (PAC), 4573 (PAC), 4573 (PAC), 4573 (PAC), 4573 (PAC), 4573 (PAC), 4573 (PAC), 4573 (PAC), 4573 (PAC), 4573 (PAC), 4573 (PAC), 4573 (PAC), 4573 (PAC), 4573 (PAC), 4573 (PAC), 4573 (PAC), 4573 (PAC), 4573 (PAC), 4573 (PAC), 4573 (PAC), 4573 (PAC), 4573 (PAC), 4573 (PAC), 4573 (PAC), 4573 (PAC), 4573 (PAC), 4573 (PAC), 4573 (PAC), 4573 (PAC), 4573 (PAC), 4573 (PAC), 4573 (PAC), 4573 (PAC), 4573 (PAC), 4573 (PAC), 4573 (PAC), 4573 (PAC), 4573 (PAC), 4573 (PAC), 4573 (PAC), 4573 (PAC), 4573 (PAC), 4573 (PAC), 4573 (PAC), 4573 (PAC), 4573 (PAC), 4573 (PAC), 4573 (PAC), 4573 (PAC), 4573 (PAC), 4573 (PAC), 4573 (PAC), 4573 (PAC), 4573 (PAC), 4573 (PAC), 4573 (PAC), 4573 (PAC), 4573 (PAC), 4573 (PAC), 4573 (PAC), 4573 (PAC), 4573 (PAC), 4573 
  4659 (PAC), 4660 (PAC), 4661 (PAC), 4786 (PAC), 4787 (PAC)
  4827 (CERT), 4828 (CERT)
          STOCKWATER: Sole Supply: UNEVALUATED ELUS Group Total: 15.0000
                                                                                                                                                                                                                                                                                                Div Limit:
                                                                                                                                                                                                                                                                                                                                                                                                                  PERIOD OF USE: 01/01 TO 12/31
 Mud Springs Allotment
SUPPLEMENTAL GROUP NO.: 615699. Water Rights Appurtenant to the following use(s): 91-2380(DIL), 2580(DIL), 2591(DIL), 2606(DIL), 2650(DIL)
3158(DIL), 3335(DIL), 3540(DIL), 3755(DIL), 3756(DIL)
4393(PAC), 4405(PAC), 4424(PAC), 4464(PAC), 4465(PAC)
4465(PAC), 4467(PAC), 4572(PAC), 4573(PAC), 4574(PAC)
4575(PAC), 4589(PAC), 4638(PAC), 4639(PAC), 4658(PAC), 4659(PAC), 4659(PAC), 4659(PAC), 4659(PAC), 4659(PAC), 4659(PAC), 4659(PAC), 4659(PAC), 4659(PAC), 4659(PAC), 4659(PAC), 4659(PAC), 4659(PAC), 4659(PAC), 4659(PAC), 4659(PAC), 4659(PAC), 4659(PAC), 4659(PAC), 4659(PAC), 4659(PAC), 4659(PAC), 4659(PAC), 4659(PAC), 4659(PAC), 4659(PAC), 4659(PAC), 4659(PAC), 4659(PAC), 4659(PAC), 4659(PAC), 4659(PAC), 4659(PAC), 4659(PAC), 4659(PAC), 4659(PAC), 4659(PAC), 4659(PAC), 4659(PAC), 4659(PAC), 4659(PAC), 4659(PAC), 4659(PAC), 4659(PAC), 4659(PAC), 4659(PAC), 4659(PAC), 4659(PAC), 4659(PAC), 4659(PAC), 4659(PAC), 4659(PAC), 4659(PAC), 4659(PAC), 4659(PAC), 4659(PAC), 4659(PAC), 4659(PAC), 4659(PAC), 4659(PAC), 4659(PAC), 4659(PAC), 4659(PAC), 4659(PAC), 4659(PAC), 4659(PAC), 4659(PAC), 4659(PAC), 4659(PAC), 4659(PAC), 4659(PAC), 4659(PAC), 4659(PAC), 4659(PAC), 4659(PAC), 4659(PAC), 4659(PAC), 4659(PAC), 4659(PAC), 4659(PAC), 4659(PAC), 4659(PAC), 4659(PAC), 4659(PAC), 4659(PAC), 4659(PAC), 4659(PAC), 4659(PAC), 4659(PAC), 4659(PAC), 4659(PAC), 4659(PAC), 4659(PAC), 4659(PAC), 4659(PAC), 4659(PAC), 4659(PAC), 4659(PAC), 4659(PAC), 4659(PAC), 4659(PAC), 4659(PAC), 4659(PAC), 4659(PAC), 4659(PAC), 4659(PAC), 4659(PAC), 4659(PAC), 4659(PAC), 4659(PAC), 4659(PAC), 4659(PAC), 4659(PAC), 4659(PAC), 4659(PAC), 4659(PAC), 4659(PAC), 4659(PAC), 4659(PAC), 4659(PAC), 4659(PAC), 4659(PAC), 4659(PAC), 4659(PAC), 4659(PAC), 4659(PAC), 4659(PAC), 4659(PAC), 4659(PAC), 4659(PAC), 4659(PAC), 4659(PAC), 4659(PAC), 4659(PAC), 4659(PAC), 4659(PAC), 4659(PAC), 4659(PAC), 4659(PAC), 4659(PAC), 4659(PAC), 4659(PAC), 4659(PAC), 4659(PAC), 4659(PAC), 4659(PAC), 4659(PAC), 4659(PAC), 4659(PAC), 4659(PAC), 4659(PAC), 4659(PAC), 4659(PAC), 4659(PA
 4828 (CERT)
        STOCKWATER: Sole Supply: UNEVALUATED ELUS Group Total: 315.0000 Div Limit:
                                                                                                                                                                                                                                                                                                                                                                                                                PERIOD OF USE: 01/01 TO 12/31
 Mud Springs Allotment
SUPPLEMENTAL GROUP NO.: 630403. Water Rights Appurtenant to the following use(s): 91-4393(PAC), 4405(PAC), 4424(PAC), 4464(PAC), 4465(PAC) 4466(PAC), 4467(PAC), 4572(PAC), 4573(PAC), 4574(PAC) 4575(PAC), 4589(PAC), 4638(PAC), 4638(PAC), 4658(PAC), 4658(PAC), 4660(PAC), 4661(PAC), 4786(PAC), 4787(PAC) 4877(PAC), 4877(PAC), 4877(PAC), 4877(PAC), 4877(PAC), 4877(PAC), 4877(PAC), 4877(PAC), 4877(PAC), 4877(PAC), 4877(PAC), 4877(PAC), 4877(PAC), 4877(PAC), 4877(PAC), 4877(PAC), 4877(PAC), 4877(PAC), 4877(PAC), 4877(PAC), 4877(PAC), 4877(PAC), 4877(PAC), 4877(PAC), 4877(PAC), 4877(PAC), 4877(PAC), 4877(PAC), 4877(PAC), 4877(PAC), 4877(PAC), 4877(PAC), 4877(PAC), 4877(PAC), 4877(PAC), 4877(PAC), 4877(PAC), 4877(PAC), 4877(PAC), 4877(PAC), 4877(PAC), 4877(PAC), 4877(PAC), 4877(PAC), 4877(PAC), 4877(PAC), 4877(PAC), 4877(PAC), 4877(PAC), 4877(PAC), 4877(PAC), 4877(PAC), 4877(PAC), 4877(PAC), 4877(PAC), 4877(PAC), 4877(PAC), 4877(PAC), 4877(PAC), 4877(PAC), 4877(PAC), 4877(PAC), 4877(PAC), 4877(PAC), 4877(PAC), 4877(PAC), 4877(PAC), 4877(PAC), 4877(PAC), 4877(PAC), 4877(PAC), 4877(PAC), 4877(PAC), 4877(PAC), 4877(PAC), 4877(PAC), 4877(PAC), 4877(PAC), 4877(PAC), 4877(PAC), 4877(PAC), 4877(PAC), 4877(PAC), 4877(PAC), 4877(PAC), 4877(PAC), 4877(PAC), 4877(PAC), 4877(PAC), 4877(PAC), 4877(PAC), 4877(PAC), 4877(PAC), 4877(PAC), 4877(PAC), 4877(PAC), 4877(PAC), 4877(PAC), 4877(PAC), 4877(PAC), 4877(PAC), 4877(PAC), 4877(PAC), 4877(PAC), 4877(PAC), 4877(PAC), 4877(PAC), 4877(PAC), 4877(PAC), 4877(PAC), 4877(PAC), 4877(PAC), 4877(PAC), 4877(PAC), 4877(PAC), 4877(PAC), 4877(PAC), 4877(PAC), 4877(PAC), 4877(PAC), 4877(PAC), 4877(PAC), 4877(PAC), 4877(PAC), 4877(PAC), 4877(PAC), 4877(PAC), 4877(PAC), 4877(PAC), 4877(PAC), 4877(PAC), 4877(PAC), 4877(PAC), 4877(PAC), 4877(PAC), 4877(PAC), 4877(PAC), 4877(PAC), 4877(PAC), 4877(PAC), 4877(PAC), 4877(PAC), 4877(PAC), 4877(PAC), 4877(PAC), 4877(PAC), 4877(PAC), 4877(PAC), 4877(PAC), 4877(PAC), 4877(PAC), 4877(PAC), 4877(PAC), 4877(PAC), 4877(PAC), 4877(PAC), 4877(PAC), 4877(PAC), 4877(P
 4827 (CERT) , 4828 (CERT)
                                                             1 elk, 117 antelope, 380 deer, small mammals and birds
Acre Feet Contributed by this Right for this Use: Unevaluated
        WILDLIFE:
                                                                                                                                                                                                                                                                                                                                                                                                                PERIOD OF USE: 01/01 TO 12/31
Mud Springs Allotment
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PLACE OF USE for STOCKWATERING************************************					
		********			
	NORTH-WEST⅓ NW NE SW SE	NORTH-EAST⅓ NW NE SW SE	SOUTH-WEST⅓ NW NE SW SE	SOUTH-EAST% NW NE SW SE	,
Sec 09 T 14S R 13E SLBM	* : : : *	* : X: : *	* : : X: *	* : : : *	*******
********	******	****** N D (	OF DATA****	*******	******
*********	***********	***********	***********	********	*********



Please be aware that the claim under this Water Right Number has NOT been established in accordance with statute and its validity is in question. Therefore, CAUTION is advised when relying upon this record!!!

OWNERSHIP*********	**********	********			
			****************	*************	*******
ADDR: 675 East 500 Sov Salt Lake City U INTEREST: 100%	JT 84102 REMARKS:				
arran, pro	***********	***********	*****		********
AND OWNED BY APPLICAN PLED: ProtestEnd: EXTENSION: USH LETTR: D BOOK: [91- ]	IT? CO PRIORITY: / /1869 PU PROTESTED: [No ] HE ELEC/PROOF: [ ] EL RENOVATE:  RE	UNTY TAX ID#: B BEGAN: ARNG HLD: EC/PROOF: CON REQ: B DATE:	PUB ENDED:   SE ACTION: [   ICERT/WUC:   TYPE: [	NEWSPAPER:     ActionDate:   LAP, ETC: 	PROOF DUE:  LAPS LETTER:
'ype of Right: Pending	Adjudication Claim	Source of Info. W	ator Hearla Clain	<b>-</b>	
OCATION OF WATER RIGH	IT***(Points of Diversion	: Click on Location	OR to aggoes BLAT D		AP VIEWER***********************************
LOW:					
DOM .	OMMON DESCRIPTION:	SOURCE: Bear	Creek		
	ctly on stream from a po- to a point at N COMMENT: Administration	660 It. W 660 It.	. from SE corner. S	orner, Sec 03, T14S, ec 04, T14S, R13E, S	R13E, SLBM, LBM.
SES OF WATER RIGHT***	COMMENT: Administrat: SOURCE: Bear Creek	ively updated by S	State Engineer.	ec 04, T14S, R13E, S	LBM.
SES OF WATER RIGHT*** UPPLEMENTAL GROUP NO. 1-4545(PAC), 4546(PAC), 3-1126(DIL), 1291(DIL)	COMMENT: Administrat: SOURCE: Bear Creek  ***** ELU Equivalent: : 615421. Water Rights, 4606 (PAC), 477: , 3126 (DIL), 373(DIL), 374	but it. W 660 ft. wively updated by state of the following state of the following state of the following state of the following state of the following state of the following state of the following state of the following state of the following state of the following state of the following state of the following state of the following state of the following state of the following state of the following state of the following state of the following state of the following state of the following state of the following state of the following state of the following state of the following state of the following state of the following state of the following state of the following state of the following state of the following state of the following state of the following state of the following state of the following state of the following state of the following state of the following state of the following state of the following state of the following state of the following state of the following state of the following state of the following state of the following state of the following state of the following state of the following state of the following state of the following state of the following state of the following state of the following state of the following state of the following state of the following state of the following state of the following state of the following state of the following state of the following state of the following state of the following state of the following state of the following state of the following state of the following state of the following state of the following state of the following state of the following state of the following state of the following state of the following state of the following state of the following state of the following state of the following state of the following state of the following state of the following state of the following state of the following state of the following state of the following state of the following state of the following state of	ow, horse, etc.) ** he following use(s)	ec 04, T14S, R13E, S	LBM.
SES OF WATER RIGHT***  UPPLEMENTAL GROUP NO. 1-4545(PAC), 4546(PAC) 3-1126(DIL), 1291(DIL)  STOCKWATER: Sole Suppock Canyon Allotment	COMMENT: Administrat: SOURCE: Bear Creek  ***** ELU Equivalent: : 615421. Water Rights, 4606 (PAC), 477: , 3126 (DIL), 3734  Ply: UNEVALUATED ELUS	Lively updated by S  Livestock Unit (co  Appurtenant to t:  5(PAC)  (LAP)  Group Total: 3.	of the following use(s)  Div Lin	ec 04, T14S, R13E, S	LBM.
SES OF WATER RIGHT***  UPPLEMENTAL GROUP NO. 1-4545(PAC), 4546(PAC) 3-1126(DIL), 1291(DIL)  STOCKWATER: Sole Suppock Canyon Allotment  WILDLIFE: Acre Frock Canyon Allotment	COMMENT: Administrat: SOURCE: Bear Creek ****** ELU Equivalent: : 615421. Water Rights, 4606 (PAC), 4681 (PAC), 4778, 3126 (DIL), 3230 (DIL), 3744 ply: UNEVALUATED ELUS  19 Deer, 5 Elk eet Contributed by this F	Appurtenant to the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the	ow, horse, etc.) **  the following use(s)  Div Lin  Unevaluated	****** EDU Equiva	LBM.  Lent Domestic Unit or 1 Family  PERIOD OF USE: 01/01 TO 12/3:  PERIOD OF USE: 01/01 TO 12/3:
SES OF WATER RIGHT***  UPPLEMENTAL GROUP NO. 1-4545(PAC), 4546 (PAC), 3-1126(DIL), 1291(DIL)  STOCKWATER: Sole Suppock Canyon Allotment  WILDLIFE: Acre Frock Canyon Allotment  UPPLEMENTAL GROUP NO.	COMMENT: Administrat: SOURCE: Bear Creek ****** ELU Equivalent: : 615421. Water Rights, 4606 (PAC), 4681 (PAC), 4778, 3126 (DIL), 3230 (DIL), 3744 ply: UNEVALUATED ELUS  19 Deer, 5 Elk eet Contributed by this F	Livestock Unit (co	be following use(s)  Div Lin  Unevaluated	ec 04, T14S, R13E, S	LBM.  Lent Domestic Unit or 1 Family  PERIOD OF USE: 01/01 TO 12/3:  PERIOD OF USE: 01/01 TO 12/3:
SES OF WATER RIGHT***  UPPLEMENTAL GROUP NO. 1-4545(PAC), 4546(PAC) 3-1126(DIL), 1291(DIL)  STOCKWATER: Sole Suppock Canyon Allotment  WILDLIFE: Acre Fock Canyon Allotment  JEPLEMENTAL GROUP NO. 1-4681(PAC), 93-1126(D)	COMMENT: Administrat: SOURCE: Bear Creek  ***** ELU Equivalent: : 615421. Water Rights , 4606(PAC), 4681(PAC), 477; , 3126(DIL), 3230(DIL), 374  Ply: UNEVALUATED ELUS  19 Deer, 5 Elk eet Contributed by this F  : 615559. Water Rights IL), 1291(DIL), 3126(DIL), 3	Lively updated by S  Livestock Unit (co  Appurtenant to ti  (FAC)  (ILAP)  Group Total: 3.  Light for this Use  Appurtenant to the Case of the Case of the Case of the Case of the Case of the Case of the Case of the Case of the Case of the Case of the Case of the Case of the Case of the Case of the Case of the Case of the Case of the Case of the Case of the Case of the Case of the Case of the Case of the Case of the Case of the Case of the Case of the Case of the Case of the Case of the Case of the Case of the Case of the Case of the Case of the Case of the Case of the Case of the Case of the Case of the Case of the Case of the Case of the Case of the Case of the Case of the Case of the Case of the Case of the Case of the Case of the Case of the Case of the Case of the Case of the Case of the Case of the Case of the Case of the Case of the Case of the Case of the Case of the Case of the Case of the Case of the Case of the Case of the Case of the Case of the Case of the Case of the Case of the Case of the Case of the Case of the Case of the Case of the Case of the Case of the Case of the Case of the Case of the Case of the Case of the Case of the Case of the Case of the Case of the Case of the Case of the Case of the Case of the Case of the Case of the Case of the Case of the Case of the Case of the Case of the Case of the Case of the Case of the Case of the Case of the Case of the Case of the Case of the Case of the Case of the Case of the Case of the Case of the Case of the Case of the Case of the Case of the Case of the Case of the Case of the Case of the Case of the Case of the Case of the Case of the Case of the Case of the Case of the Case of the Case of the Case of the Case of the Case of the Case of the Case of the Case of the Case of the Case of the Case of the Case of the Case of the Case of the Case of the Case of the Case of the Case of the Case of the Case of the Case of the Case of the Case of the Case of the Case of the Case of the Case of the Case of the Case of the Case of the Case of the Case of	ow, horse, etc.) **  he following use(s)  Unevaluated  e following use(s)	****** EDU Equiva.	lent Domestic Unit or 1 Famil  PERIOD OF USE: 01/01 TO 12/3:  PERIOD OF USE: 01/01 TO 12/3:
SES OF WATER RIGHT***  UPPLEMENTAL GROUP NO. 1-4545(PAC), 4546(PAC), 3-1126(DIL), 1291(DIL)  STOCKWATER: Sole Suppock Canyon Allotment  WILDLIFE: ACRE Fock Canyon Allotment  JEPLEMENTAL GROUP NO. 1-4681(PAC), 93-1126(D) 744(LAP)  STOCKWATER: Sole Suppock Canyon Allotment	COMMENT: Administrat: SOURCE: Bear Creek  ***** ELU Equivalent: : 615421. Water Rights , 4606(PAC), 4681(PAC), 477; , 3126(DIL), 3230(DIL), 374  Ply: UNEVALUATED ELUS  19 Deer, 5 Elk eet Contributed by this F  :: 615559. Water Rights IL), 1291(DIL), 3126(DIL), 3	Appurtenant to the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the	State Engineer.  State Engineer.  W, horse, etc.) **  the following use(s)  O000 Div Lin  Unevaluated  Div Lin  O000 Div Lin	ec 04, T14S, R13E, S.  ****** EDU Equiva.  : : : : : : : : : : : : : : : : : :	LEM.  lent Domestic Unit or 1 Famil:  PERIOD OF USE: 01/01 TO 12/31  PERIOD OF USE: 01/01 TO 12/31

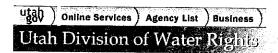
utah )	Online Services	Agency List	Business )
Utah	Division	of Water	Rights



Select Related Information	•

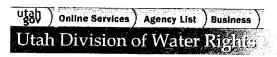
Please be aware that the claim under this Water Right Number has NOT been established in accordance with statute and its validity is in question. Therefore, CAUTION is advised when relying upon this record!!!

USES OF WATER RIGHT******* ** ELU Equivalent Livestock Unit (cow, horse, etc.) ******  SUPPLEMENTAL GROUP NO.: 615389. Water Rights Appurtenant to the following use(s): 91-4513(PAC), 4682(PAC), 93-16(DIL), 105(DIL), 168(DIL) 185(DIL), 497(DIL), 501(DIL), 507(DIL), 608(DIL) 1197(DIL), 1288(DIL), 1328(DIL), 1346(DIL), 1553(DIL)	NEWSPAPER:   PROOF DUE:   LAPS LETTER:   LAPS LETTER:   LAPS LETTER:   LAPS LETTER:   LAPS LETTER:   LAPS LETTER:   LAPS LETTER:   LAPS LETTER:   LAPS LETTER:   LAPS LETTER:   LAPS LETTER:   LAPS LETTER:   LAPS LETTER:   LAPS LETTER:   LAPS LETTER:   LAPS LETTER:   LAPS LETTER:   LAPS LETTER:   LAPS LETTER:   LAPS LETTER:   LAPS LETTER:   LAPS LETTER:   LAPS LETTER:   LAPS LETTER:   LAPS LETTER:   LAPS LETTER:   LAPS LETTER:   LAPS LETTER:   LAPS LETTER:   LAPS LETTER:   LAPS LETTER:   LAPS LETTER:   LAPS LETTER:   LAPS LETTER:   LAPS LETTER:   LAPS LETTER:   LAPS LETTER:   LAPS LETTER:   LAPS LETTER:   LAPS LETTER:   LAPS LETTER:   LAPS LETTER:   LAPS LETTER:   LAPS LETTER:   LAPS LETTER:   LAPS LETTER:   LAPS LETTER:   LAPS LETTER:   LAPS LETTER:   LAPS LETTER:   LAPS LETTER:   LAPS LETTER:   LAPS LETTER:   LAPS LETTER:   LAPS LETTER:   LAPS LETTER:   LAPS LETTER:   LAPS LETTER:   LAPS LETTER:   LAPS LETTER:   LAPS LETTER:   LAPS LETTER:   LAPS LETTER:   LAPS LETTER:   LAPS LETTER:   LAPS LETTER:   LAPS LETTER:   LAPS LETTER:   LAPS LETTER:   LAPS LETTER:   LAPS LETTER:   LAPS LETTER:   LAPS LETTER:   LAPS LETTER:   LAPS LETTER:   LAPS LETTER:   LAPS LETTER:   LAPS LETTER:   LAPS LETTER:   LAPS LETTER:   LAPS LETTER:   LAPS LETTER:   LAPS LETTER:   LAPS LETTER:   LAPS LETTER:   LAPS LETTER:   LAPS LETTER:   LAPS LETTER:   LAPS LETTER:   LAPS LETTER:   LAPS LETTER:   LAPS LETTER:   LAPS LETTER:   LAPS LETTER:   LAPS LETTER:   LAPS LETTER:   LAPS LETTER:   LAPS LETTER:   LAPS LETTER:   LAPS LETTER:   LAPS LETTER:   LAPS LETTER:   LAPS LETTER:   LAPS LETTER:   LAPS LETTER:   LAPS LETTER:   LAPS LETTER:   LAPS LETTER:   LAPS LETTER:   LAPS LETTER:   LAPS LETTER:   LAPS LETTER:   LAPS LETTER:   LAPS LETTER:   LAPS LETTER:   LAPS LETTER:   LAPS LETTER:   LAPS LETTER:   LAPS LETTER:   LAPS LETTER:   LAPS LETTER:   LAPS LETTER:   LAPS LETTER:   LAPS LETTER:   LAPS LETTER:   LAPS LETTER:   LAPS LETTER:   LAPS LETTER:   LAPS LETTER:   LAPS LETTER:   LAPS LETTER:   LAPS LETTER:   LAPS LETTER:   LAPS LETTER:   LAPS LET
DATES, ETC.************************************	NEWSPAPER:   PROOF DUE:   LAPS LETTER:   LAPS LETTER:   LAPS LETTER:   LAPS LETTER:   LAPS LETTER:   LAPS LETTER:   LAPS LETTER:   LAPS LETTER:   LAPS LETTER:   LAPS LETTER:   LAPS LETTER:   LAPS LETTER:   LAPS LETTER:   LAPS LETTER:   LAPS LETTER:   LAPS LETTER:   LAPS LETTER:   LAPS LETTER:   LAPS LETTER:   LAPS LETTER:   LAPS LETTER:   LAPS LETTER:   LAPS LETTER:   LAPS LETTER:   LAPS LETTER:   LAPS LETTER:   LAPS LETTER:   LAPS LETTER:   LAPS LETTER:   LAPS LETTER:   LAPS LETTER:   LAPS LETTER:   LAPS LETTER:   LAPS LETTER:   LAPS LETTER:   LAPS LETTER:   LAPS LETTER:   LAPS LETTER:   LAPS LETTER:   LAPS LETTER:   LAPS LETTER:   LAPS LETTER:   LAPS LETTER:   LAPS LETTER:   LAPS LETTER:   LAPS LETTER:   LAPS LETTER:   LAPS LETTER:   LAPS LETTER:   LAPS LETTER:   LAPS LETTER:   LAPS LETTER:   LAPS LETTER:   LAPS LETTER:   LAPS LETTER:   LAPS LETTER:   LAPS LETTER:   LAPS LETTER:   LAPS LETTER:   LAPS LETTER:   LAPS LETTER:   LAPS LETTER:   LAPS LETTER:   LAPS LETTER:   LAPS LETTER:   LAPS LETTER:   LAPS LETTER:   LAPS LETTER:   LAPS LETTER:   LAPS LETTER:   LAPS LETTER:   LAPS LETTER:   LAPS LETTER:   LAPS LETTER:   LAPS LETTER:   LAPS LETTER:   LAPS LETTER:   LAPS LETTER:   LAPS LETTER:   LAPS LETTER:   LAPS LETTER:   LAPS LETTER:   LAPS LETTER:   LAPS LETTER:   LAPS LETTER:   LAPS LETTER:   LAPS LETTER:   LAPS LETTER:   LAPS LETTER:   LAPS LETTER:   LAPS LETTER:   LAPS LETTER:   LAPS LETTER:   LAPS LETTER:   LAPS LETTER:   LAPS LETTER:   LAPS LETTER:   LAPS LETTER:   LAPS LETTER:   LAPS LETTER:   LAPS LETTER:   LAPS LETTER:   LAPS LETTER:   LAPS LETTER:   LAPS LETTER:   LAPS LETTER:   LAPS LETTER:   LAPS LETTER:   LAPS LETTER:   LAPS LETTER:   LAPS LETTER:   LAPS LETTER:   LAPS LETTER:   LAPS LETTER:   LAPS LETTER:   LAPS LETTER:   LAPS LETTER:   LAPS LETTER:   LAPS LETTER:   LAPS LETTER:   LAPS LETTER:   LAPS LETTER:   LAPS LETTER:   LAPS LETTER:   LAPS LETTER:   LAPS LETTER:   LAPS LETTER:   LAPS LETTER:   LAPS LETTER:   LAPS LETTER:   LAPS LETTER:   LAPS LETTER:   LAPS LETTER:   LAPS LETTER:   LAPS LET
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LOCATION OF WATER RIGHT*** (Points of Diversion: Click on Location to access PLAT Progr FLOW:  SOURCE: Unnamed tributary to Bear C COUNTY: Carbon  COMMON DESCRIPTION:  POINT OF DIVERSION POINT TO POINT:  (1) Stockwatering directly on stream from a point at S 660 ft. W 660 ft. from RE corner, Sec 0  COMMENT: Administratively updated by State Engineer.  SOURCE: Unnamed Tributary to Bear Creek  UNES OF WATER RIGHT******** ELU Equivalent Livestock Unit (cow, horse, etc.) ******  SUPPLEMENTAL GROUP NO.: 615389. Water Rights Appurtenant to the following use(s): 91-4513(FAC), 4682(FAC), 93-16(DIL), 105(DIL), 168(DIL)  185(DIL), 497(DIL), 501(DIL), 507(DIL), 608(DIL)  1197(DIL), 1298(DIL), 1328(DIL), 1328(DIL), 1328(DIL), 1328(DIL), 1328(DIL), 1328(DIL), 1328(DIL), 1328(DIL), 1328(DIL), 1328(DIL), 1328(DIL), 1328(DIL), 1328(DIL), 1328(DIL), 1328(DIL), 1328(DIL), 1328(DIL), 1328(DIL), 1328(DIL), 1328(DIL), 1328(DIL), 1328(DIL), 1328(DIL), 1328(DIL), 1328(DIL), 1328(DIL), 1328(DIL), 1328(DIL), 1328(DIL), 1328(DIL), 1328(DIL), 1328(DIL), 1328(DIL), 1328(DIL), 1328(DIL), 1328(DIL), 1328(DIL), 1328(DIL), 1328(DIL), 1328(DIL), 1328(DIL), 1328(DIL), 1328(DIL), 1328(DIL), 1328(DIL), 1328(DIL), 1328(DIL), 1328(DIL), 1328(DIL), 1328(DIL), 1328(DIL), 1328(DIL), 1328(DIL), 1328(DIL), 1328(DIL), 1328(DIL), 1328(DIL), 1328(DIL), 1328(DIL), 1328(DIL), 1328(DIL), 1328(DIL), 1328(DIL), 1328(DIL), 1328(DIL), 1328(DIL), 1328(DIL), 1328(DIL), 1328(DIL), 1328(DIL), 1328(DIL), 1328(DIL), 1328(DIL), 1328(DIL), 1328(DIL), 1328(DIL), 1328(DIL), 1328(DIL), 1328(DIL), 1328(DIL), 1328(DIL), 1328(DIL), 1328(DIL), 1328(DIL), 1328(DIL), 1328(DIL), 1328(DIL), 1328(DIL), 1328(DIL), 1328(DIL), 1328(DIL), 1328(DIL), 1328(DIL), 1328(DIL), 1328(DIL), 1328(DIL), 1328(DIL), 1328(DIL), 1328(DIL), 1328(DIL), 1328(DIL), 1328(DIL), 1328(DIL), 1328(DIL), 1328(DIL), 1328(DIL), 1328(DIL), 1328(DIL), 1328(DIL), 1328(DIL), 1328(DIL), 1328(DIL), 1328(DIL), 1328(DIL), 1328(DIL), 1328(DIL), 1328(DIL), 1328(DIL), 1328(DIL), 1328(DIL), 1328(DIL), 1328(DIL), 1328(DI	am.)************************************
SOURCE: Unnamed tributary to Bear C COUNTY: Carbon COMMON DESCRIPTION:  POINT OF DIVERSION POINT TO POINT: (1)Stockwatering directly on stream from a point at \$ 660 ft. W 660 ft. from E4 corne to a point at \$ 660 ft. W 660 ft. from NE corner, Sec 0 COMMENT: Administratively updated by State Engineer. SOURCE: Unnamed Tributary to Bear Creek  USES OF WATER RIGHT******** ELU Equivalent Livestock Unit (cow, horse, etc.) ******  SUPPLEMENTAL GROUP NO.: 615389. Water Rights Appurtenant to the following use(s): 91-4513(PAC), 4682(PAC), 93-16(DIL), 105(DIL), 168(DIL) 185(DIL), 497(DIL), 501(DIL), 507(DIL), 508(DIL) 1197(DIL), 1298(DIL), 1328(DIL), 1328(DIL), 1328(DIL), 1328(DIL), 1328(DIL), 1328(DIL), 1328(DIL), 1328(DIL), 1328(DIL), 1328(DIL), 1328(DIL), 1328(DIL), 1328(DIL), 1328(DIL), 1328(DIL), 1328(DIL), 1328(DIL), 1328(DIL), 1328(DIL), 1328(DIL), 1328(DIL), 1328(DIL), 1328(DIL), 1328(DIL), 1328(DIL), 1328(DIL), 1328(DIL), 1328(DIL), 1328(DIL), 1328(DIL), 1328(DIL), 1328(DIL), 1328(DIL), 1328(DIL), 1328(DIL), 1328(DIL), 1328(DIL), 1328(DIL), 1328(DIL), 1328(DIL), 1328(DIL), 1328(DIL), 1328(DIL), 1328(DIL), 1328(DIL), 1328(DIL), 1328(DIL), 1328(DIL), 1328(DIL), 1328(DIL), 1328(DIL), 1328(DIL), 1328(DIL), 1328(DIL), 1328(DIL), 1328(DIL), 1328(DIL), 1328(DIL), 1328(DIL), 1328(DIL), 1328(DIL), 1328(DIL), 1328(DIL), 1328(DIL), 1328(DIL), 1328(DIL), 1328(DIL), 1328(DIL), 1328(DIL), 1328(DIL), 1328(DIL), 1328(DIL), 1328(DIL), 1328(DIL), 1328(DIL), 1328(DIL), 1328(DIL), 1328(DIL), 1328(DIL), 1328(DIL), 1328(DIL), 1328(DIL), 1328(DIL), 1328(DIL), 1328(DIL), 1328(DIL), 1328(DIL), 1328(DIL), 1328(DIL), 1328(DIL), 1328(DIL), 1328(DIL), 1328(DIL), 1328(DIL), 1328(DIL), 1328(DIL), 1328(DIL), 1328(DIL), 1328(DIL), 1328(DIL), 1328(DIL), 1328(DIL), 1328(DIL), 1328(DIL), 1328(DIL), 1328(DIL), 1328(DIL), 1328(DIL), 1328(DIL), 1328(DIL), 1328(DIL), 1328(DIL), 1328(DIL), 1328(DIL), 1328(DIL), 1328(DIL), 1328(DIL), 1328(DIL), 1328(DIL), 1328(DIL), 1328(DIL), 1328(DIL), 1328(DIL), 1328(DIL), 1328(DIL), 1328(DIL), 1328(DIL), 1328(D	r, Sec 03, T14S, R13E, SLBM, 9, T14S, R13E, SLBM. ** EDU Equivalent Domestic Unit or 1 Family
COUNTY: Carbon COMMON DESCRIPTION:  POINT OF DIVERSION POINT TO POINT:  ( 1)Stockwatering directly on stream from a point at S 660 ft. W 660 ft. from E4 corne to a point at S 660 ft. W 660 ft. from NE corner, Sec 0 COMMENT: Administratively updated by State Engineer. SOURCE: Unnamed Tributary to Bear Creek  USES OF WATER RIGHT******** ELU Equivalent Livestock Unit (cow, horse, etc.) ******  SUPPLEMENTAL GROUP NO.: 615389. Water Rights Appurtenant to the following use(s): 91-4513 (PAC), 4682 (PAC), 93-16 (DIL), 105 (DIL), 168 (DIL)  185 (DIL), 497 (DIL), 501 (DIL), 507 (DIL), 608 (DIL)  1197 (DIL), 1298 (DIL), 1328 (DIL), 1524 (DIL), 1553 (DIL)	r, Sec 03, T14S, R13E, SLBM, 9, T14S, R13E, SLBM. ** EDU Equivalent Domestic Unit or 1 Famil
USES OF WATER RIGHT******* ELU Equivalent Livestock Unit (cow, horse, etc.) ******  SUPPLEMENTAL GROUP NO.: 615389. Water Rights Appurtenant to the following use(s): 91-4513 (FAC), 4682 (PAC), 93-16 (DIL), 105 (DIL), 168 (DIL) 1855 (DIL), 497 (DIL), 501 (DIL), 507 (DIL), 608 (DIL) 1197 (DIL), 1298 (DIL), 1328 (DIL), 1546 (DIL), 1553 (DIL)	** EDU Equivalent Domestic Unit or 1 Famil
SUPPLEMENTAL GROUP No.: <u>615389.</u> Water Rights Appurtenant to the following use(s): 91-4513(PAC), 4682(PAC), 93-16(DIL), 105(DIL), 168(DIL) 185(DIL), 497(DIL), 501(DIL), 507(DIL), 608(DIL) 1197(DIL), 1298(DIL), 1328(DIL), 1546(DIL), 1553(DIL)	
STOCKWATER: Sole Supply: UNEVALUATED ELUS Group Total: 40.0000 Div Limit: Gear Canyon Allotment  WILDLIFE: 26 Deer, 9 Elk	PERIOD OF USE: 07/01 TO 09/3
Acre Feet Contributed by this Right for this Use: Unevaluated ear Canyon Allotment	
UPPLEMENTAL GROUP NO.: 615560. 11-4682 (PAC)	
STOCKWATER: 33.0000 Stock Units Div Limit: Bear Canyon Allotment	PERIOD OF USE: 01/01 TO 12/3
WILDLIFE: 16 Deer Acre Feet Contributed by this Right for this Use: Unevaluated ear Canyon Allotment	PERIOD OF USE: 01/01 TO 12/3
DUPPLEMENTAL GROUP NO.: 616738. Water Rights Appurtenant to the following use(s): 01-4682(PAC),93-16(DIL),105(DIL),168(DIL),185(DIL)  197(DIL),501(DIL),607(DIL),608(DIL),1197(DIL)  1296(DIL),1328(DIL),1546(DIL),1553(DIL)  1500kwater period of use for this water right is January 1 through December 31.	
STOCKWATER: Sole Supply: UNEVALUATED ELUS Group Total: 27.0000 Div Limit: Sear Canyon Allotment	PERIOD OF USE: 07/01 TO 09/30
LACE OF USE for STOCKWATERING************************************	





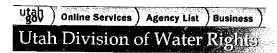
WATER RIGHT: 91-4754	4 APPLICATION	/CLAIM NO.:	CERT. NO.			) RUN DATE: 01/26/2011
OMNERSHIP*********	***********	***********	*********	******	***************	*******
NAME: Price Field Off ADDR: Moab District 125 South 600 W Price UT 84501 INTEREST: 100%	fice USA Bureau of Nest REMARKS:	Land Management				
DATES, ETC. XXXXXXXXXX	**********	************	*****	*******	************	*******
EARD OWNED BY APPLICATION OF THE PROTESTED: EXTENSION: RUSH LETTR: PD BOOK: [91- ]	NT?   PRIORITY: /   PROTESTED: [No     ELEC/PROOF: [   RENOVATE:     MAP: [57	COUNTY TAX ID /1869 PUB BEGAN:   HEARNG HLD:   IELEC/PROOF:   RECON REQ:   IPUB DATE:	#:  PUB EN  SE ACT  CERT/W  TYPE:	DED: TION: [ TUC:	NEWSPAPER:   ActionDate:  LAP, ETC: 	PROOF DUE:  LAPS LETTER:
Type of Right: Dilige	nce Claim	Source of I	nfo: Water User	's Claim	Ctatua	
LOCATION OF WATER RIG	HT*** (Points of D	iversion: Click on	Location to acc	ess PLAT Pro	ogram ***********	AD WIEWED
FTOM:	COMMON DESCRIPTIO	SOURCE	: Unn. Trib. Le	ft Fork Whit	tmore Canyon	AT A TEMEN
POINT OF DIVERSION ( 1)Stockwatering dir	ectly on stream f to a po COMMENT: Adm SOURCE: Unn	int at S 660 ft. W inistratively update . Trib. Left Fork W	660 ft. from E4 ed by State Eng hitmore Canvon	corner, Sec ineer.	01, T14S, R13E, SL	BM.
USES OF WATER RIGHT	***** <i>ELU Equ</i>	ivalent Livestock U	git (cow. horse	. oto 1 ****	**** EDII Forsisen?	ent Domestic Unit or 1 Family





Please be aware that the claim under this Water Right Number has NOT been established in accordance with statute and its validity is in question. Therefore, CAUTION is advised when relying upon this record!!!

(WARNING: Water Rights makes NO claims as to the accuracy of this data.) RUN DATE: 01/26/2011 WATER RIGHT: 91-4755 APPLICATION/CLAIM NO.: CERT. NO.: NAME: Price Field Office USA Bureau of Land Management ADDR: Moab District 125 South 600 West Price UT 84501 INTEREST: 100% REMARKS: LAND OWNED BY APPLICANT? COUNTY TAX ID#: FILED: | PRIORITY: / /1869|PUB BEGAN: IPUB ENDED: ProtestEnd: | PROTESTED: [No ] | HEARNG HLD: SE ACTION: [ ] |ActionDate: | PROOF DUE: EXTENSION: |ELEC/PROOF:[ ] | ELEC/PROOF: CERT/WUC: |LAP, ETC: RUSH LETTR: RENOVATE: | RECON REQ: TYPE: [ PD BOOK: [91- ]|MAP: [57 ]|PUB
*TYPE -- DOCUMENT -- STATUS-----] | PUB DATE: Type of Right: Pending Adjudication Claim Source of Info: Water User's Claim SOURCE: Gravyard Canyon COUNTY: Carbon COMMON DESCRIPTION: POINT OF DIVERSION -- POINT TO POINT: ( 1)Stockwatering directly on stream from a point at N 660 ft. W 660 ft. from SE corner, Sec 01, T14S, R13E, SLBM, to a point at N 660 ft. W 660 ft. from SE corner, Sec 01, T14S, R13E, SLBM. COMMENT: Administratively updated by State Engineer.
SOURCE: Graveyard Canyon USES OF WATER RIGHT****** ELU -- Equivalent Livestock Unit (cow, horse, etc.) ******* EDU -- Equivalent Domestic Unit or 1 Family SUPPLEMENTAL GROUP NO.: 615399. Water Rights Appurtenant to the following use(s):





Please be aware that the claim under this Water Right Number has NOT been established in accordance with statute and its validity is in question. Therefore, CAUTION is advised when relying upon this record!!!

(WARNING: Water Rights makes NO claims as to the accuracy of this data.) RUN DATE: 01/26/2011 WATER RIGHT: 91-4756 APPLICATION/CLAIM NO.: CERT. NO.: NAME: Price Field Office USA Bureau of Land Management ADDR: Moab District 125 South 600 West Price UT 84501 REMARKS: LAND OWNED BY APPLICANT? COUNTY TAX ID#: FILED: | PRIORITY: / /1869| PUB BEGAN: | PUB ENDED: | NEWSPAPER: ProtestEnd: PROTESTED: (No ] | HEARNG HLD: |SE ACTION: [ ] [ActionDate: | PROOF DUE: EXTENSION: |ELEC/PROOF:[ CERT/WUC: ] | ELEC / PROOF: ILAP, ETC: | LAPS LETTER: RUSH LETTR: | RENOVATE: RECON REQ: PD BOOK: [91- ] | MAP: [57 *TYPE -- DOCUMENT -- STATUS---|TYPE: ( _] | PUB DATE: Type of Right: Pending Adjudication Claim Source of Info: Water User's Claim FLOW: SOURCE: Hanging Rock Canyon COUNTY: Carbon COMMON DESCRIPTION: POINT OF DIVERSION -- POINT TO POINT: ( 1) Stockwatering directly on stream from a point at N 660 ft. E 1980 ft. from W4 corner, Sec 01, T145, R13E, SLBM, to a point at S 660 ft. E 1980 ft. from W4 corner, Sec 01, T145, R13E, SLBM.

COMMENT: Administratively updated by State Engineer. SOURCE: Hanging Rock Canyon USES OF WATER RIGHT******* ELU -- Equivalent Livestock Unit (cow, horse, etc.) ******* EDU -- Equivalent Domestic Unit or 1 Family





Please be aware that the claim under this Water Right Number has NOT been established in accordance with statute and its validity is in question. Therefore, CAUTION is advised when relying upon this record!!!

(WARNING: Water Rights makes NO claims as to the accuracy of this data.) RUN DATE: 01/26/2011 WATER RIGHT: 91-4757 APPLICATION/CLAIM NO .: CERT. NO.: NAME: Price Field Office USA Bureau of Land Management ADDR: Moab District 125 South 600 West Price UT 84501 INTEREST: 100% REMARKS: LAND OWNED BY APPLICANT? COUNTY TAX ID# · FILED: |PRIORITY: / /1869|PUB BEGAN: IPUB ENDED: INEWSPAPER: ProtestEnd: | PROTESTED: [No ] | HEARNG HLD: | ELEC/PROOF: [ ] | ELEC/PROOF: ISE ACTION: [ PROOF DUE: ] | ActionDate: EXTENSION: |CERT/WUC: LAP, ETC: LAPS LETTER: RUSH LETTR: | RENOVATE: IRECON REQ: |TYPE: [ PD BOOK: [91- ] MAP: [57 ] | PUB
*TYPE -- DOCUMENT -- STATUS-----] | PUB DATE: Type of Right: Pending Adjudication Claim Source of Info: Water User's Claim Status: SOURCE: Spring Canyon COUNTY: Carbon COMMON DESCRIPTION: POINT OF DIVERSION -- POINT TO POINT: ( 1) Stockwatering directly on stream from a point at S 660 ft. E 660 ft. from NW corner, Sec 01, T14S, R13E, SLBM, to a point at N 660 ft. E 660 ft. from W4 corner, Sec 01, T14S, R13E, SLBM. COMMENT: Administratively updated by State Engineer. SOURCE: Spring Canyon USES OF WATER RIGHT******* ELU -- Equivalent Livestock Unit (cow, horse, etc.) ******* EDU -- Equivalent Domestic Unit or 1 Family SUPPLEMENTAL GROUP NO.: 615399. Water Rights Appurtenant to the following use(s): 91-4523(PAC), 4524(PAC), 4525(PAC), 4753(PAC), 4754(DIL)
4755(PAC), 4756(PAC), 4757(PAC), 4758(PAC), 4759(PAC) 4760 (PAC), 4761 (PAC), 4762 (PAC), 4763 (PAC), 4764 (PAC) 4765 (PAC), 4780 (PAC) STOCKWATER: Sole Supply: UNEVALUATED ELUS Group Total: 116.0000 Div Limit: PERIOD OF USE: 01/01 TO 12/31 Sheep Canyon Allotment ...... WILDLIFE: 395 Deer, 77 Elk PERIOD OF USE: 01/01 TO 12/31 Acre Feet Contributed by this Right for this Use: Unevaluated Sheep Canyon Allotment NORTH-WEST¾ NORTH-EAST4 SOUTH-WEST SOUTH-EAST NW NE SW SE NW NE SW SE NW NE SW SE





Please be aware that the claim under this Water Right Number has NOT been established in accordance with statute and its validity is in question. Therefore, CAUTION is advised when relying upon this record!!!

(WARNING: Water Rights makes NO claims as to the accuracy of this data.) RUN DATE: 01/26/2011 WATER RIGHT: 91-4797 APPLICATION/CLAIM NO.: CERT. NO.: NAME: Ralph Stevenson ADDR: P.O. Box 52 Wellington UT 84542 NAME: Glen Wells ADDR: P.O. Box 52 Wellington UT 84542 LAND OWNED BY APPLICANT? COUNTY TAX ID#: 04/05/1988 | PRIORITY: / /1869|PUB BEGAN: | PUB ENDED: NEWSPAPER: ProtestEnd: | PROTESTED: [No ] | HEARNG HLD: |SE ACTION: ( ] | ActionDate: | PROOF DUE: EXTENSION: |ELEC/PROOF:[ ] | ELEC/PROOF: |CERT/WUC: 04/05/1988|LAP, ETC: RUSH LETTR: | RENOVATE: IRECON REQ: TYPE: [ PD BOOK: [91- ] | MAP: [57 *TYPE -- DOCUMENT -- STATUS-----1 | PUB DATE: Type of Right: Pending Adjudication Claim Source of Info: Water User's Claim Status: FLOW: SOURCE: Unnamed Stream COUNTY: Carbon COMMON DESCRIPTION: POINT OF DIVERSION -- POINT TO POINT: (1)Stockwatering directly on stream from a point at N 660 ft. E 660 ft. from S4 corner, Sec 34, T13S, R13E, SLBM, to a point at N 660 ft. W 660 ft. from S4 corner, Sec 34, T13S, R13E, SLBM. COMMENT: Administratively updated by State Engineer. SOURCE: Unnamed Stream USES OF WATER RIGHT******* ELU -- Equivalent Livestock Unit (cow, horse, etc.) ******* EDU -- Equivalent Domestic Unit or 1 Family

u <b>t</b> ah <b>gov</b>	)	Online Services	Agency List	Business )
Utal	1	Division o	of Water	Rights



Select Related Information	

Please be aware that the claim under this Water Right Number has NOT been established in accordance with statute and its validity is in question. Therefore, CAUTION is advised when relying upon this record!!!

WATER RIGHT: 91-4798	PPLICATION/CLAIM N		NO.;		.) RUN DATE: 01/26/2011
OWNERSHIP***************	***********	*******		******	*******
NAME: Ralph Stevenson ADDR: PO Box 52 Wellington, Utah 84542 INTEREST: 50% REMARKS					
NAME: Glen Wells ADDR: PO Box 52 Wellington, Utah 84542 INTEREST: 50% REMARKS					
DATES, ETC.*************	********	******	*****	**********	*************
FILED:   PRIORI	CC TY: / /1869 PU PED: [No ]   NE ROOF: [ ]   EL EE:   RE [57 ]   PU	UNTY TAX ID#: B BEGAN: ARNG HLD: EC/PROOF: CON REQ: B DATE:	PUB ENDED:   SE ACTION: [   CERT/WUC: 02/22   TYPE: [	INEWSPAPER: 	IPROOF DUE:
		=======================================	ter User's Claim	Status:	
LOCATION OF WATER RIGHT*** (P	THE OF DIVERSION	***********		rogram.)********* <u>M</u>	<u> </u>
	DESCRIPTION: 7 mil	SOURCE: Unnar es NNW of Sunnysic	ned Spring Ne		
POINT OF SPRING: (1) S 1980 ft W 660 ft from Diverting Works:			Source:		
USES OF WATER RIGHT******					
SUPPLEMENTAL GROUP NO.: 6156 91-1717(DIL),1719(DIL),1720(1 1724(DIL),1725(DIL),1726(DIL 4796(PAC),4797(PAC),4798(PAC)	74. Water Rights DIL),1721(DIL),172 ,3253(DIL),4795(P	Appurtenant to t			
STOCKWATER: Sole Supply: Un	EVALUATED ELUS	Group Total: 12	0.0000 Div Lin	mit.	PERIOD OF USE: 04/15 TO 10/31
PLACE OF USE for STOCKWATERIN	[G************	********	******	******	*******
Sec 33 T 13S R 13E SLBM	NORTH-WEST*4 NW NE SW SE * : : *	NORTH-EAST¥	SOUTH-WEST4 NW NE SW SE * : : *	SOUTH-EAST*4 NW NE SW SE * : : *	
**************************************	***************	:***********************************	**************************************	**************************************	**************************************



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## Utah Division of Water Rights

Select Related Information

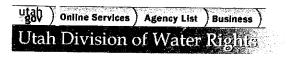
RIGHT EVIDENCED BY: Price River cate, 2339	
OWNERSHIP*************	***************************************
NAME: Roy O. Crum NDDR: 3636 South 2400 East SAlt Lake City UT 84109	
AME: Leith M. Seeley DDR: 3636 South 2400 East Salt Lake City UT 84109	
1100, 610	***********************************
ILED: 05/06/1976 PRIORITY: rotestEnd:  PROTESTED: XTENSION:  ProofFiled ENOVATE:  RECON REC: ate Verified: 01/30/2007 Initi elated Distribution System: No	05/06/1976 ADV BEGAN:  ADV ENDED:  NEWSPAPER: No Adv Required   [No    HEARNG HLD:  SE ACTION: [Rejected]   ActionDate:02/09/2007 PROOF DUE:   (CertIssued:  LAP, ETC: 02/09/2007 LAPS LETTR:  RUSH LETTER:  TYPE:
LOW: 1.00 acre-feet  DURCE: Scofield Reservoir  DUNTY: Carbon  DINT OF DIVERSION SURFACE:  L) N 810 ft W 990 ft from SE	
Diverting Works:	Source: Scofield Reservoir
Diverting Works:  ATURE OF USE:  ###MISCELLANEOUS	Source: Scofield Reservoir  PERIOD OF USE: 01/01 TO 12/31
Diverting Works:  ###MISCELLANEOUS  ***********************************	Source: Scofield Reservoir  ***********************************
Biverting Works:  ###MXSCELLANEOUS  ***********************************	Source: Scofield Reservoir  PERIOD OF USE: 01/01 TO 12/31  PERIOD OF USE: 01/01 TO 12/31  COMMON DESCRIPTION:
##MNISCELLANEOUS  ***********************************	Source: Scofield Reservoir  PERIOD OF USE: 01/01 TO 12/31  ***********************************
Diverting Works:  ###MISCELLANEOUS  ***********************************	Source: Scofield Reservoir  PERIOD OF USE: 01/01 TO 12/31  ***********************************
Diverting Works:  ###MISCELLANEOUS  ***********************************	Source: Scofield Reservoir  PERIOD OF USE: 01/01 TO 12/31  ***********************************
###MISCELLANEOUS  ***********************************	Source: Scofield Reservoir  PERIOD OF USE: 01/01 TO 12/31  ***********************************
Diverting Works:  TURE OF USE:  ###MISCELLANEOUS  ***********************************	Source: Scofield Reservoir  PERIOD OF USE: 01/01 TO 12/31  ***********************************
Diverting Works:  ###MISCELLANEOUS  ***********************************	Source: Scofield Reservoir  PERIOD OF USE: 01/01 TO 12/31  ***********************************
Diverting Works:  ###WISCELLANEOUS  ***********************************	Source: Scofield Reservoir  PERIOD OF USE: 01/01 TO 12/31  ***********************************





Please be aware that the claim under this Water Right Number has NOT been established in accordance with statute and its validity is in question. Therefore, CAUTION is advised when relying upon this record!!!

(WARNING: Water Rights makes NO claims as to the accuracy of this data.) RUN DATE: 01/26/2011 WATER RIGHT: 91-4947 APPLICATION/CLAIM NO.: CERT. NO.: NAME: Sunnyside Coal Company ADDR: 1113 Spruce Street Boulder CO 80302 INTEREST: 100% REMARKS: LAND OWNED BY APPLICANT? COUNTY TAX ID#: FILED: PUB ENDED: | NEWSPAPER: ProtestEnd: SE ACTION: [ ] |ActionDate: I PROOF DUE: EXTENSION: |ELEC/PROOF:[ ] | ELEC/PROOF: CERT/WUC: LAPS LETTER: RUSH LETTR: | RENOVATE: RECON REQ: TYPE: [ PD BOOK: [91- ] MAP: [57 ] | PUB
*TYPE -- DOCUMENT -- STATUS-----_] | PUB DATE: Type of Right: Pending Adjudication Claim Source of Info: Water User's Claim FLOW: 0.009 cfs SOURCE: Unnamed Spring COUNTY: Carbon COMMON DESCRIPTION: POINT OF DIVERSION -- SURFACE: (1) N 500 ft W 800 ft from SE cor, Sec 12, T 14S, R 13E, SLBM Diverting Works: Source: Stream Alt Required?: No USES OF WATER RIGHT******* ELU -- Equivalent Livestock Unit (cow, horse, etc.) ******* EDU -- Equivalent Domestic Unit or 1 Family



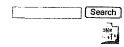


Select Related Information	

Please be aware that the claim under this Water Right Number has NOT been established in accordance with statute and its validity is in question. Therefore, CAUTION is advised when relying upon this record!!!

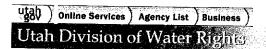
(WARNING: Water Rights makes NO claims as to the accuracy of this data.) RUN DATE: 01/26/2011 WATER RIGHT: 91-4948 APPLICATION/CLAIM NO.: CERT. NO.: NAME: Sunnyside Coal Company ADDR: 1113 Spruce Street Boulder CO 80302 INTEREST: 100% LAND OWNED BY APPLICANT? COUNTY TAX ID#: FILED: 09/17/1993|PRIORITY:
ProtestEnd: | PROTECTED. / /1869|PUB BEGAN: IPUB ENDED: | NEWSPAPER: | PROTESTED: [No ]| HEARNG HLD: SE ACTION: [ ] | ActionDate: EXTENSION: |ELEC/PROOF: [ ] | ELEC/PROOF: CERT/WUC: |LAP, ETC: | LAPS LETTER: RUSH LETTR: | RENOVATE: IRECON REQ: |TYPE: [ PD BOOK: [91- ]|MAP: [58c ]|E
*TYPE -- DOCUMENT -- STATUS-----] | PUB DATE: Type of Right: Pending Adjudication Claim Source of Info: Water User's Claim Status: FLOW: 0.009 cfs SOURCE: Unnamed Spring COUNTY: Carbon COMMON DESCRIPTION: POINT OF DIVERSION -- SURFACE: (1) N 1020 ft E 1490 ft from SW cor, Sec 18, T 14S, R 14E, SLBM Diverting Works: Source: Stream Alt Required?: No USES OF WATER RIGHT******* ELU -- Equivalent Livestock Unit (cow, horse, etc.) ******* EDU -- Equivalent Domestic Unit or 1 Family SUPPLEMENTAL GROUP NO.: 615821. Water Rights Appurtenant to the following use(s): 91-98 (CERT), 298 (DIL), 1635 (DIL), 1640 (DIL), 2655 (DIL) 3006 (WUC), 3169 (DIL), 3458 (DIL), 3459 (DIL), 3464 (DIL), 3465 (DIL), 3519 (WUC), 3520 (WUC), 3521 (DIL), 3523 (DIL), 3526 (DIL), 3530 (DIL), 3532 (DIL), 3533 (DIL), 3579 (DIL) 4947 (PAC), 4948 (PAC) STOCKWATER: Sole Supply: UNEVALUATED ELUS Group Total: 900.0000 Div Limit: PERIOD OF USE: 01/01 TO 12/31 PERIOD OF USE: 01/01 TO 12/31 ***************





(WARNING: Water Rights makes NO claims as to CHANGE: a18518 WATER RIGHT: 91-361 CERT. NO.: BASE WATER RIGHTS: 91-361 (a1687; a2682) Cert. a313; a4247 Cert Whitmore Decree Civil No. 2573 CHANGES: Point of Diversion [X], Place of Use [X], Nature of Use	COUNTY TAX ID#: AMENDATORY? No . a531
NAME: Sunnyside Cogeneration Associates ADDR: Attn: Plant Manager P.O. Box 159 Sunnyside UT 84539 INTEREST: 100% REMARKS:	*
RUSH LETTR:   RENOVATE:   RECON REQ:	ISE ACTION: [Approved]   ActionDate: 12/15/1995   PROOF DUE: 02/29/2004   CERT/WUC:   LAP, ETC:   LAPS LETTER.
"""""""	* ************************************
FLOW: 0.5 cfs	FLOW: 0.5 cfs
SOURCE: Grassy Trail Creek	
COUNTY: Carbon	COUNTY: Carbon
	HEREAFTER PARAGRAPH 21: PURPOSE AND EXTENT OF USE: Sunnyside & East Carbon Cities & within their distribution system boundaries. EXPLANATORY: See also State Engineer's Decision in TCA 93-91-04. See attached Exhibits A, B, and C.
POINT(S) OF DIVERSION> MAP VIEWER	CHANGED AS FOLLOWS: (Click Location link for WRPLAT)
Point Surface: (1)	
Source: (3) N 1521 ft W 1983 ft from SE cor, Sec 29, T 14S, R 14E, SLBM Dvrting Wks: Source:	Durting wks:    Source:    <u>(3) N 1521 ft W 1983 ft from SE cor, Sec 29, T 14S, R 14E, SLBM</u>    Durting Wks:
(4) S 1013 ft E 125 ft from W4 cor, Sec 01, T 155, R 13E, SLBM Dvrting Wks: Source: (5) N 1604 ft E 1245 ft from SW cor, Sec 02, T 155, R 13E, SLBM	(4)
Source: (6) N 750 ft W 1345 ft from SE cor, Sec 03, T 155, R 13E, SLBM Dvrting Wks:	Dvrting Wks:    Source:    <u>(6) N 750 ft W 1345 ft from SE cor, Sec 03, T 15S, R 13E, SLBM</u>    Dvrting Wks:
(1) S 566 ft E 4323 ft from NW cor, Sec 09, T 158, R 13E, SLBM Dvrting Wks: Source:	Source:   (7) S 566 ft E 4323 ft from NW cor, Sec 09, T 15S, R 13E, SLBM   Dvrting Wks:   Source:   (8) S 1149 ft E 1320 ft from NW cor, Sec 09, T 15S, R 13E, SLBM
Source: (9) N 91 ft E 2390 ft from W4 cor, Sec 06, T 155, R 14E, SLBM Dvrting Wks:	Dvrting Wks:   Source:   191 N 91 ft E 2390 ft from W4 cor, Sec 06, T 155, R 14E, SLBM   Dvrting Wks:   Source   191 N 91 ft E 2390 ft from W4 cor, Sec 06, T 155, R 14E, SLBM   Dvrting Wks:   Source   191 N 91 ft E 2390 ft from W4 cor, Sec 06, T 155, R 14E, SLBM   Dvrting Wks:   Source   191 N 91 ft E 2390 ft from W4 cor, Sec 06, T 155, R 14E, SLBM   Source   191 N 91 ft E 2390 ft from W4 cor, Sec 06, T 155, R 14E, SLBM   Source   191 N 91 ft E 2390 ft from W4 cor, Sec 06, T 155, R 14E, SLBM   Source   191 N 91 ft E 2390 ft from W4 cor, Sec 06, T 155, R 14E, SLBM   Source   191 N 91 ft E 2390 ft from W4 cor, Sec 06, T 155, R 14E, SLBM   Source   191 N 91 ft E 2390 ft from W4 cor, Sec 06, T 155, R 14E, SLBM   Source   191 N 91 ft E 2390 ft from W4 cor, Sec 06, T 155, R 14E, SLBM   Source   191 N 91 ft E 2390 ft from W4 cor, Sec 06, T 155, R 14E, SLBM   Source   191 N 91 ft E 2390 ft from W4 cor, Sec 06, T 155, R 14E, SLBM   Source   191 N 91 ft E 2390 ft from W4 cor, Sec 06, T 155, R 14E, SLBM   Source   191 N 91 ft E 2390 ft from W4 cor, Sec 06, T 155, R 14E, SLBM   Source   191 N 91 ft E 2390 ft from W4 cor, Sec 06, T 155, R 14E, SLBM   Source   191 N 91 ft E 2390 ft from W4 cor, Sec 06, T 155, R 14E, SLBM   Source   191 N 91 ft E 2390 ft from W4 cor, Sec 06, T 155, R 14E, SLBM   Source   191 N 91 ft E 2390 ft from W4 cor, Sec 06, T 155, R 14E, SLBM   Source   191 N 91 ft E 2390 ft from W4 cor, Sec 06, T 155, R 14E, SLBM   Source   191 N 91 ft E 2390 ft from W4 cor, Sec 06, T 155, R 14E, SLBM   Source   191 N 91 ft E 2390 ft from W4 cor, Sec 06, T 155, R 14E, SLBM   Source   191 N 91 ft E 2390 ft ft from W4 cor, Sec 06, T 155, R 14E, SLBM   Source   191 N 91 ft E 2390 ft ft ft From W4 cor, Sec 06, T 155, R 14E, SLBM   Source   191 N 91 ft E 2390 ft ft ft From W4 cor, Sec 06, T 155, R 14E, SLBM   Source   191 N 91 ft E 2390 ft ft ft From W4 cor, Sec 06, T 155, R 14E, SLBM   Source   191 N 91 ft From W4 cor, Sec 06, T 155, R 14E, SLBM   Source   191 N 91 ft From W4 cor, Sec 06, T 155, R 14E, SLBM   Source   19
Source:	Source:
Point Rediversion:	Stream Alt?: No
PLACE OF USE>	CHANGED as follows:
NW4NE4SW4SE4	
NNSSINNSSINNSSINNSSI	

W E W E     W E W E     W E W E     W E W E	*:::**:X::X**:::**:X::X**
NATURE OF USE>	CHANGED as follows:
DOM = values are in EDUs meaning Equivalent Domestic Units (F	• • • • • • • • • • • • • • • • • • • •
ISUPPLEMENTAL to Other Water Dighter Voc	I LOUDDY DATE AND A COLUMN TO A COLUMN TO A COLUMN TO A COLUMN TO A COLUMN TO A COLUMN TO A COLUMN TO A COLUMN TO A COLUMN TO A COLUMN TO A COLUMN TO A COLUMN TO A COLUMN TO A COLUMN TO A COLUMN TO A COLUMN TO A COLUMN TO A COLUMN TO A COLUMN TO A COLUMN TO A COLUMN TO A COLUMN TO A COLUMN TO A COLUMN TO A COLUMN TO A COLUMN TO A COLUMN TO A COLUMN TO A COLUMN TO A COLUMN TO A COLUMN TO A COLUMN TO A COLUMN TO A COLUMN TO A COLUMN TO A COLUMN TO A COLUMN TO A COLUMN TO A COLUMN TO A COLUMN TO A COLUMN TO A COLUMN TO A COLUMN TO A COLUMN TO A COLUMN TO A COLUMN TO A COLUMN TO A COLUMN TO A COLUMN TO A COLUMN TO A COLUMN TO A COLUMN TO A COLUMN TO A COLUMN TO A COLUMN TO A COLUMN TO A COLUMN TO A COLUMN TO A COLUMN TO A COLUMN TO A COLUMN TO A COLUMN TO A COLUMN TO A COLUMN TO A COLUMN TO A COLUMN TO A COLUMN TO A COLUMN TO A COLUMN TO A COLUMN TO A COLUMN TO A COLUMN TO A COLUMN TO A COLUMN TO A COLUMN TO A COLUMN TO A COLUMN TO A COLUMN TO A COLUMN TO A COLUMN TO A COLUMN TO A COLUMN TO A COLUMN TO A COLUMN TO A COLUMN TO A COLUMN TO A COLUMN TO A COLUMN TO A COLUMN TO A COLUMN TO A COLUMN TO A COLUMN TO A COLUMN TO A COLUMN TO A COLUMN TO A COLUMN TO A COLUMN TO A COLUMN TO A COLUMN TO A COLUMN TO A COLUMN TO A COLUMN TO A COLUMN TO A COLUMN TO A COLUMN TO A COLUMN TO A COLUMN TO A COLUMN TO A COLUMN TO A COLUMN TO A COLUMN TO A COLUMN TO A COLUMN TO A COLUMN TO A COLUMN TO A COLUMN TO A COLUMN TO A COLUMN TO A COLUMN TO A COLUMN TO A COLUMN TO A COLUMN TO A COLUMN TO A COLUMN TO A COLUMN TO A COLUMN TO A COLUMN TO A COLUMN TO A COLUMN TO A COLUMN TO A COLUMN TO A COLUMN TO A COLUMN TO A COLUMN TO A COLUMN TO A COLUMN TO A COLUMN TO A COLUMN TO A COLUMN TO A COLUMN TO A COLUMN TO A COLUMN TO A COLUMN TO A COLUMN TO A COLUMN TO A COLUMN TO A COLUMN TO A COLUMN TO A COLUMN TO A COLUMN TO A COLUMN TO A COLUMN TO A COLUMN TO A COLUMN TO A COLUMN TO A COLUMN TO A COLUMN TO A COLUMN TO A COLUMN TO A COLUMN TO A COLUMN TO A COLUMN TO A COLUMN TO A COLUMN TO A COLUMN TO A COLUMN TO A COLUMN TO A COLUMN TO A COLUMN TO
IRR: 932.4000 acres.	
DOM: 875.0000 Equivalent Domestic Units. USED 01/01 - 12/31	[]
USED 01/01 - 12/31	MUN: Sunnyside
	USED 01/01 - 12/31
RESERVOIR STORAGE>	SAME AS HERETOFORE
	Storage 03/15 to 12/15, in Grassy Trail Reservoir       with a maximum capacity of 916.000 acre-feet, located in:      NN4NS4SE4
	Storage 01/01 to 12/31, in SCA Reservoir     with a maximum capacity of 125.000 acre-feet, located in:  Nw4SE4       Height of Dam:   25 ft   N N S S     N N S S     N N S S     N N S S     N N S S
	Small Dam Permit Required?: No
*	*
PROTESTANTS**********************************	*********************
NAME: Bureau of Land Management ADDR: 324 South State Street, Suite 301 Salt Lake City UT 84111	NAME: City of East Carbon ADDR: c/o L. Paul Clark, Mayor 200 Park Place East Carbon UT 84520
NAME: Paul B. Martinez ADDR: 95 South 100 East Price UT 84501	NAME: Office of the Regional Solicitor ADDR: Intermountain Region 6201 Federal Building, 125 South State Street Salt Lake City UT 84138
NAME: Price River Resource Area ADDR: Area Manager	NAME: ADDR:





CHANGE: Water Rights makes NO claims as to CHANGE: a18520 WATER RIGHT: 91-372 CERT. NO.: BASE WATER RIGHTS: 91-372 RIGHT EVIDENCED BY: 91-372 (a4245) Cert. a556 Whitmore Decree Civil No. 2573	the accuracy of this data.) RUN DATE: 01/26/2011 Page COUNTY TAX ID#: AMENDATORY? No		
CHANGES: Point of Diversion [X], Place of Use [X], Nature of Use	[X], Reservoir Storage [].		
NAME: Sunnyside Cogeneration Associates ADDR: c/o Brian Burnett, Callister Nebeker & McCullough 10 East South Temple, Ste. 900 Salt Lake City, UT 84133 INTEREST: 100% REMARKS:			
RIISH I FPTP.	SE ACTION: [Approved]   ActionDate:12/15/1995  PROOF DUE: 12/31/2009   CERT/WUC:   LAP, ETC:   LAPS LETTER:   TYPE: [ ]		
FLOW: 5.575 cfs			
SOURCE: Grassy Trail Creek			
  COUNTY: Carbon	COUNTY: Carbon COM DESC: Sunnyside		
1 	HEREAFTER PARAGRAPH 21: Municipal:   Sunnyside and East Carbon Cities & within   their distribution system.		
	EXPLANATORY: See State Engineer's    Decision TCA 93-91-06.		
(POINT(S) OF DIVERSION> MAP VIEWER	CHANGED AS FOLLOWS: (Click Location link for WRPLAT)		
Point Surface:  (1)			
14  S 1163 ft W 644 ft from NE cor, Sec 18, T 14S, R 14E, SLBM   Dvrting Wks:   Source:	(2) S 1163 ft W 644 ft from NE cor, Sec 18, T 14S, R 14E, SLBM		
Source:			
14  S 1013 ft E 125 ft from W4 cor, Sec 01, T 15S, R 13E, SLBM   Dvrting Wks:   Source:	(4) S 1013 ft E 125 ft from W4 cor, Sec 01, T 15S, R 13E, SLBM		
13) N 1604 ft E 1245 ft from SW cor, Sec 02, T 15S, R 13E, SLBM   Dvrting Wks:   Source:	(5) N 1604 ft E 1245 ft from SW cor, Sec 02, T 155, R 13E, SLBM   Dvrting Wks:		
N /50 It W 1345 ft from SE cor, Sec 03, T 155, R 13E, SLBM   Dvrting Wks:   Source:	(6) N 750 ft W 1345 ft from SE cor, Sec 03, T 15S, R 13E, SLBM   Dvrting Wks:		
1/1   S   566 ft E 4323 ft from NW cor, Sec 09, T 15S, R 13E, SLBM   Dvrting Wks:	1(7) S 566 ft E 4323 ft from NW cor, Sec 09, T 155, R 13E, SLBM   Dvrting Wks:		
1(8) S 1149 ft E 1320 ft from NW cor, Sec 09, T 15S, R 13E, SLBM	Source:  (8) S 1149 ft E 1320 ft from NW cor, Sec 09, T 158, R 13E, SLEM   Dvrting Wks:		
19) N 91 ft E 2390 ft from W4 cor, Sec 06, T 15S, R 14E, SLBM     Dvrting Wks:	Course		
	Stream Alt?: No		
	Point Rediversion:  (1) N 1740 ft E 1230 ft from SW cor, Sec 06, T 15S, R 14E, SLEM   Durting Wks: Dragerton Reservoir   Source:  (2) N 1480 ft E 1495 ft from SW cor, Sec 06, T 15S, R 14E, SLEM   Durting Wks: SCA Reservoir		
	Source:		
PLACE OF USE	CHANGED as follows:		
NW4 NE4 SW4 SE4     N N S S     N N S S     N N S S     N N S S	115-428-4		
	IN N S SI IN N S SI IN N S SI IN N S SI IN N S SI IN N S SI IN N S SI IN N S SI IN N S SI IN N S SI IN N S SI IN N S SI IN N S SI IN N S SI IN N S SI IN N S SI IN N S SI IN N S SI IN N S SI IN N S SI IN N S SI IN N S SI IN N S SI IN N S SI IN N S SI IN N S SI IN N S SI IN N S SI IN N S SI IN N S SI IN N S SI IN N S SI IN N S SI IN N S SI IN N S SI IN N S SI IN N S SI IN N S SI IN N S SI IN N S SI IN N S SI IN N S SI IN N S SI IN N S SI IN N S SI IN N S SI IN N S SI IN N S SI IN N S SI IN N S SI IN N S SI IN N S SI IN N S SI IN N S SI IN N S SI IN N S SI IN N S SI IN N S SI IN N S SI IN N S SI IN N S SI IN N S SI IN N S SI IN N S SI IN N S SI IN N S SI IN N S SI IN N S SI IN N S SI IN N S SI IN N S SI IN N S SI IN N S SI IN N S SI IN N S SI IN N S SI IN N S SI IN N S SI IN N S SI IN N S SI IN N S SI IN N S SI IN N S SI IN N S SI IN N S SI IN N S SI IN N S SI IN N S SI IN N S SI IN N S SI IN N S SI IN N S SI IN N S SI IN N S SI IN N S SI IN N S SI IN N S SI IN N S SI IN N S SI IN N S SI IN N S SI IN N S SI IN N S SI IN N S SI IN N S SI IN N S SI IN N S SI IN N S SI IN N S SI IN N S SI IN N S SI IN N S SI IN N S SI IN N S SI IN N S SI IN N S SI IN N S SI IN N S SI IN N S SI IN N S SI IN N S SI IN N S SI IN N S SI IN N S SI IN N S SI IN N S SI IN N S SI IN N S SI IN N S SI IN N S SI IN N S SI IN N S SI IN N S SI IN N S SI IN N S SI IN N S SI IN N S SI IN N S SI IN N S SI IN N S SI IN N S SI IN N S SI IN N S SI IN N S SI IN N S SI IN N S SI IN N S SI IN N S SI IN N S SI IN N S SI IN N S SI IN N S SI IN N S SI IN N S SI IN N S SI IN N S SI IN N S SI IN N S SI IN N S SI IN N S SI IN N S SI IN N S SI IN N S SI IN N S SI IN N S SI IN N S SI IN N S SI IN N S SI IN N S SI IN N S SI IN N S SI IN N S SI IN N S SI IN N S SI IN N S SI IN N S SI IN N S SI IN N S SI IN N S SI IN N S SI IN N S SI IN N S SI IN N S SI IN N S SI IN N S SI IN N S SI IN N S SI IN N S SI IN N S SI IN N S SI IN N S SI IN N S SI IN N S SI IN N S SI IN N S SI IN N S SI IN N S SI IN N S SI IN N S SI IN N S SI IN N S SI IN N S SI IN N S SI IN N S SI IN N S		

Sec 25 T 15S R 12E SLBM	*
NATURE OF USE>	CHANGED as follows:
INK = Values are in acres.  STK = values are in ELUs meaning Cattle or Equivalent.   DOM = values are in EDUs meaning Equivalent Domestic Units (F	
SUPPLEMENTAL to Other Water Rights: Yes	
USED 04/01 - 10/15	IRR: 350.0000 and 932.4000 Supp acres USED 04/01 - 10/15
DOM: 875.0000 Equivalent Domestic Units.	
IMIN. Suppreside	11
	IMUN: Sunnyside
Sunnyside, Columbia, Horse Canyon Mines.	OTHER: Road Maintenance, USED 01/01 - 12/31 Soil Compaction, Dust Suppression
RESERVOIR STORAGE>	SAME AS HERETOFORE
	Storage 01/01 to 12/31, in SCA Reservoir
i	14D42M42E4
	Height of Dam:
	Small Dam Permit Required?: No
PROTESTANTS**********************************	
IAME: Bureau of Land Management LDDR: 324 South State Street, Suite 301 Salt Lake City UT 84111	NAME: City of East Carbon ADDR: c/o L. Paul Clark, Mayor 200 Park Place East Carbon UT 84520
AME: Paul B. Martinez DDR: 95 South 100 East Price UT 84501	NAME: Office of the Regional Solicitor ADDR: Intermountain Region 6201 Federal Building, 125 South State Street Salt Lake City UT 84138
AME: Price River Resource Area DDR: Area Manager 900 North 700 East Price UT 84501	NAME : ADDR :
XTENSIONS OF TIME WITHIN WHICH TO FILE PROOF***********************************	++++++
ILED: 02/26/1999 PUB BEGAN:  PUB ENDED:  N	EWSPAPER:
ILED: 02/24/2004 DITE DOGS.	E ACTION: [Approved] ActionDate:03/11/1999 PROOF DUE: 02/28/2004 EWSPAPER: No Adv Required

# APPENDIX 7-6A 1999 and 2010 SEEP 7 SPRING SURVEY DATA

# APPENDIX 7-6A 1999 and 2010 SEEP & SPRING SURVEY DATA



#### PETERSEN HYDROLOGIC, LLC

20 September 2010

Mr. Dave Shaver West Ridge Resources, Inc. P.O. Box 1077 Price, Utah 84501

Dave,

At your request, we have performed an inventory of springs and seeps located in the survey area delineated in your previous e-mail correspondence of 17 June 2010. The inventoried area includes portions of Sections 6 and 7, T.14S., R.14E. near Grassy Trail Reservoir in Whitmore Canyon, Utah.

The entirety of this area was previously surveyed for springs and seeps by Mayo and Associates, LC of Lindon, Utah. Mayo and Associates surveyed this area during high-flow conditions in May of 1999 and again during low-flow conditions in November of 1999. A report summarizing the findings of the Mayo and Associates, LC investigation (dated 9 June 2000) was previously submitted to West Ridge Resources by Mayo and Associates. No springs or seeps were identified by Mayo and Associates in the current inventory area in 1999.

As a supplement to the Mayo and Associates investigation, portions of this area (see attached Figure 1) were again inventoried for springs and seeps on 20 August 2010. Prior to the commencement of the field investigation, aerial imagery of the survey area was analyzed to determine likely potential spring and seep discharge areas. The field survey included walking along the canyon margins and observing and photographing the adjacent steep canyon walls. Side canyon areas where there was determined to be an increased potential for the presence of springs and seeps were also traversed by foot. The upper, ridge top and plateau portion of the inventory area was not surveyed as part of the September 2010 survey (this area was previously inventoried by Mayo and Associates (2000).



## PETERSEN HYDROLOGIC, LLC

No springs or seeps were identified within the inventory area in the 20 August 2010 spring and seep survey.

Please feel free to contact me should you have any questions in this regard.

Sincerely,

Erik C. Petersen, P.G. Principal Hydrogeologist

Utah PG No. 5373615-2250

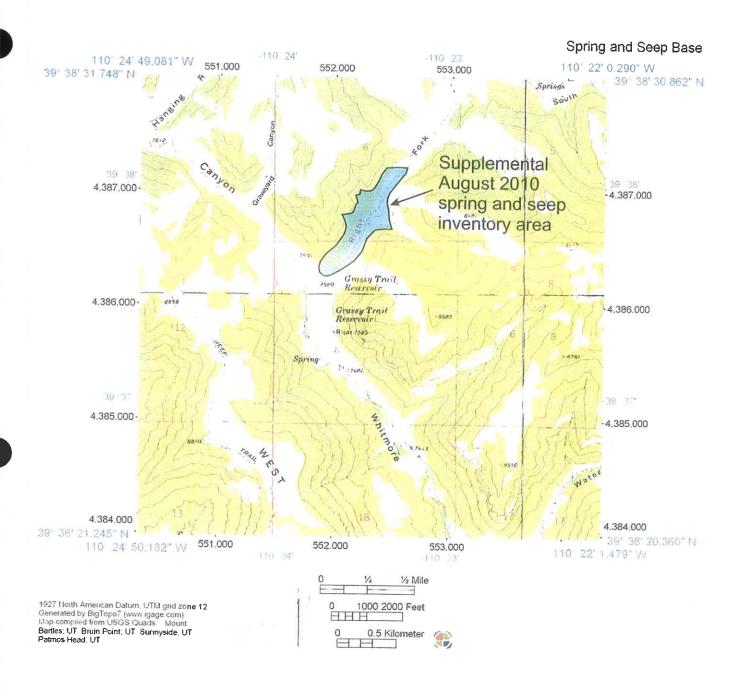


Figure 1 Supplemental August 2010 spring and seep inventory area.

### West Ridge Mine—North Lease Spring and Seep Survey November 1999

WEST RIDGE Resources, West Ridge Mine, Price, Utah

9 June 2000



### West Ridge Mine—North Lease Spring and Seep Survey November 1999

WEST RIDGE Resources, West Ridge Mine, Price, Utah

9 June 2000

Prepared by:

Kelly Payne Hydrogeologist

Mayo and Associates, LC 710 East 100 North Lindon, Utah 84042 (801) 796-0211 (801) 785-2387 (fax)



### WEST RIDGE Resources North Lease Area Spring and Seep Survey November 1999

During November 1999, Mayo and Associates performed a fall (low-flow) spring and seep survey in the North Lease area, which is northeast of the existing West Ridge Mine lease. This fall survey complements the springtime survey performed by Mayo and Associates in May 1999.

All of the springs and seeps identified in the springtime survey were revisited. Eight additional springs were identified during the fall survey, bringing the total number of springs identified in the survey area to 120. Map 1, which shows the boundaries of the survey area and the locations of springs and seeps has been updated to include the new springs. Field parameters (discharge, pH, specific conductivity, and water temperature) were measured at each spring/seep site. Field parameters for both the springtime and fall surveys are reported in Table 1. State Plane coordinates of each spring/seep site are listed in Table 1. State Plane coordinates were obtained using handheld GPS receivers and 1:24,000-scale topographic quadrangles.

The stratigraphic occurrence of each spring is listed in Table 1. The stratigraphic occurrence of each seep and spring is based upon field observations and a geologic map provided by WEST RIDGE Resources.

Spring and seeps located in this survey were numbered using the designations given in previous spring and seep surveys conducted by Kaiser Coal Company in 1985 and 1986. This system uses the prefixes F- or S-. Newly located springs and seeps were numbered in the order they were located in and have the section number as the prefix. Each spring/seep was tagged using aluminum tags with the spring/seep number written on the tag.

In order to help classify ephemeral, intermittent, and perennial reaches of creeks in the survey area, Mayo and Associates has mapped the reaches where flow was observed in the channel in May and November 1999. These reaches are indicated on Map 1.

The locations of ponds are also shown on Map 1. Ponds that are located in Section 36 T13S R13E and Section 12 T14S R13E are natural ponds located at the head of landslide areas. A single man-made pond is found in Section 34 T13S R13E and appears to be runoff fed. Ponds located in this survey were numbered in the order they were located in and have the section number as the prefix, followed by a P for pond.

Electronic files of the data tables (Microsoft Excel 97 format) and the spring and seep location map (AutoCAD Release 14 format) are included.

Table 1 Field parameters and details for springs and seeps surveyed in 1999

West Ridge Spring.xls 6/9/00

		Uses	( ) ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ;	Flows into Grassy Irali Creek	Wildlife	Flows into Grassy Trail Creek	Flows into Right Fork Grassy Trail Creek	Flows into Right Fork Grassy Trail Creek	Livestock	Wildlife	Wildife	Validité		Flows Ritto Right Fork Grassy Frail Creek	Flows title Right Fork Grassy Irall Creek	riows into Right Fork Grassy Trail Creek	Flows into Grassy Trail Creek	Flows into Grassy Trail Creek	Flows into Grassy Irail Creek	Flows into Grassy Trail Creek	Flows into Grassy Trail Creek	Flows into Grassy Trail Creek	Flows into Grassy Trail Creek	Flows into Grassy Trail Creek	Flows into Grassy Trail Creek	Flows into Grassy Trail Creek	Wildlife	Wildlife	Wildlife	Wildlife	Wildlife	Wildlife	Wildlife	Wildlife	Wildlife	Wildlife	Flows into Left Fork Grassy Trail Creek	Flows into Left Fork Grassy Trail Creek	Flows into Left Fork Grassy Trail Creek	Flows into Left Fork Grassy Trail Creek	Flows into Left Fork Grassy Trail Creek	Flows into Left Fork Grassy Trail Creek	Wildlife	Wildlife	Wildlife	Wildlife	Wildlife	Wildlife
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	State Plane ¹	Easting	2313385	2313448	2315291	2313861	2313937	2313986	2314081	2315678	2311598	2311567	2311490	2311715	2313308	23/02/02	2306710	230510	2302103	2200720	2312080	2217220	2344420	2311438	2311332	2311499	2308681	2310999	2311102	2310231	2308590	2307892	2309197	2309202	2309055	2309038	2310053	2309980	2309916	2309860	2309804	2309795	2305073	2305104	2305590	2304771	2304810	2304693
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	Stratigraphic	Occurrence*			To Cattle and wildlife			STAIN STAIN		To winding		Ga Flows into Grassy Trail Creek	_	Tc Flows into reservoir							-	Qa Flows into Grassy Trail Creek		_	Flows into Grassy Trail	Flows into Grassy Trail	Wildlife	_			
		Northing	175.015	4/040/	474594	474778	473063	474167	472017	477577	7.002.4	470908	469120	471110	471368	469668	469427	470360	470300	47.34.20	474047	474506	473660	473274	469986	469573	468464	468573	474480	481819	?
	State Plane ¹	Easting	2204420	2504458	2305780	2306041	2307782	2306676	2309107	2304874	70000	717000	2308085	2310287	2310304	2310610	2311917	2340808	3300346	23007 10	2308776	2308802	2309795	2310113	2311337	2310236	2310580	2310462	2306405	2302834	
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Alluvium Undifferentiated ¹ Utah State Plane, Central Zone ² Key to abbreviations: Q;

Green River Formation Colton Formation North Horn Formation

## APPENDIX 7-6A 1999 SEEP/SPRING SURVEY MAP

## APPENDIX 7-14 GRASSY TRAIL RESERVOIR, RIGHT FORK HISTORICAL FLOW DATA

## APPENDIX 7-14

# GRASSY TRAIL RESERVOIR RIGHT FORK HISTORICAL FLOW DATA

### Grassy Trial Reservoir - Right Fork Historical Flow Data - 3' Parshall Flume

Date	Right	t Fork	0
	cfs	gpm	Comments
4/19/1962	25.10	11,266	Leon Pressett (1)
5/1/1962	24.60	11,041	Leon Pressett (1)
4/21/1981	5.39	2,419	Leon Pressett (1)
11/13/1981	1.37	615	Leon Pressett (1)
4/26/1982	7.81	3,505	Leon Pressett (1)
5/6/1982	23.60	10,592	Leon Pressett (1)
5/25/1982	17.40	7,810	Leon Pressett (1)
6/17/1983	55.00	24,686	Leon Pressett (1)
7/14/1989	0.48	217	M. Page & R. Wilde (2)
9/15/1989	0.32	145	M. Page & R. Wilde (2)
3/7/1990	0.28	126	M. Page & R. Wilde (2)
4/20/1990	1.05	470	M. Page & R. Wilde (2)
5/22/1990	0.78	352	M. Page & R. Wilde (2)
6/8/1990	0.88	397	M. Page & R. Wilde (2)
6/15/1990	0.63	283	M. Page & R. Wilde (2)
8/27/1990	0.09	42	M. Page & R. Wilde (2)
9/17/1990	0.17	77	M. Page & R. Wilde (2)
11/14/1990	0.16	71	M. Page & R. Wilde (2)
4/15/1991	0.45	203	M. Page & R. Wilde (2)
5/14/1991	1.68	754	M. Page & R. Wilde (2)
9/17/2010	0.14	61	Dana Marrelli - Right Fork (3)
11/4/2010	0.37	165	Dana Marrelli - Right Fork (3)
1/18/2011	2.15	963	Warren Monroe (4)

### Notes:

- (1) Leon Pressett East Carbon City Water Master
- (2) M. Page & R. Wilde Division of Water Rights
- (3) Dana Marrelli UAE (Flow taken in Right Fork but not from the Flume)
- (4) Warren Monroe, PLS Jones and DeMille Engineering, Inc.

# Coal Operator's Weekly Inspection Form: Grassy Trail Page

## Grassy Trail Reservoir

Inspecto Name:	or	FRESS	P77	Title	: Waster	141,45	FER
Date:	4/21/8	// Date Las	st Inspecti	on;	4/201	187.	•
Site Name				• • • • •			
Refuse Fa	cility I. D. A	io:			•		
1. Seepa	ge* (specify 1	ocation, color,	and approx	x. volume)			
From	underdrain pip	es				Yes	<u>N</u>
At iso	plated points	on embankment s	lopes			Yes	LN
At nat	tural hillside					Ye <b>s</b>	. N
Over w	videspread are	as				Yes	iN
From d	lownstream fou	ndation area .				Yes	13
"Boils	s" beneath str	eam or ponded wa	ater			Yes	N
		crest				Yes	N
3. Cracks	or scarps on	slope				Ye <b>s</b>	N
4. Slough	ing or bulgin	g on slope				Yes	N
5. Major	erosion probl	ems				Ye <b>s</b>	
6. Surfac	e movements i	n valley bottom	or on hill	side*		Yes	N
7. Erosio	n of toe*					Yes	N
8. Water	impounded aga	inst toe*				Yes	N
	ncrease	Decrease in wate	er level (f	eet)		0,20	2
O. Embank	ment freeboar	d (feet)			• • • /	Yes	5
1. Cracks	, bulging, or	erosion on upst	tream face*		• •		170
		nkholes in slurr	cy surface		• •	Yes_	No
1400		d ninon				Yes	4 No
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4/19/82 - Windy & cold. Reservoir down 2.30 feet. Released more water to creek. Water clear coming out of seeps.

4/20/82 - Cold & windy. Light snow falling at dam. No apparent change in landslides.

Wind blowing hard at the dam. Ice not melting on dam surface very fast. Surface is still completely covered. No change landslide conditions. Reservoir down 2.36 feet.

4/21/82 - Cold & Windy. Reservoir still dropping. No change in conditions of landslides. Ice not moving. Drove to the top of dam for the first time this year.

4/22/82 - Sunny & windy. Reservoir down 2.42 feet. Ice still intact all across the dam surface. Some superficial sliding around the tunnel outfall. Snow moving around dam.

4/23/82 - Light snow & warmer. Reservoir still dropping alittle. Ice still on surface. Boom starting to show up thru the ice. 4 Parshall at first diversion reading 0.60

4/24/82 - Clear & sunny. Reservoir down 2.50 feet. Ice still not moving off of the surface of the dam. Run-off should start any day now. No change in condtions of landslides.

4/25/82 - Pt cloudy & darmer/ Reservoir down 2.30 feet and starting to gain. Ice still solid all over surface of dam. Reservoir gained 0.20 in 24 hours.

4/26/82 - Reservoir down 1.18 feet and gaining. Rt. fork 3'
Parshall reading 0.76. Ice on reservoir about 4" thick at this time .
Water coming from seeps.

4/27/82 - Pt. cloudy & warm. Reservoir down 1.86 feet and gaining. Ice still delid over the whole surface of dam. Seepage water flows the same and water clear.

4/28/82 - Clear & warmer. Reservoir down 3xx 1.37 feet. 0.49 gain in 24 hours. Ice stll on surface. Reservoir started to spill over the over-flow this afternoon. Boom frozen in ice.

4/29/82 - High clouds & cool. Ice still intact. water flowing over the over-flow smoothly. First diversion reading 0.88 4 Parshall 1.91 c.f.s.

5/1/82 - Raining & cool. Shut by-pass water off. Cleaned over-fo flow. Ice still on surface of reservoir, but should move off today. Slide areas look stable.

Remarks and Comments - 1982

5/2/82 - Continued- 11:00 P.M. starting to rain hard at dam. Ice layer still intact and being forced over boom and into grill are around over-flow. Stayed to 3:00 A.M. - 5/3/82 cleaning over-flow by keeping ice cleaned off. I came back to dam at 5:30 A.M. and cleaned over-flow. At 8:30 A.M. Cleaned over-flow again and observed flows coming into dam. Flows increasing fast.

5/3/82 - Talked to Kaiser about making a new boom. Cleaning over-flow 6 times a day at this time.

5/4/82 - Pt. cloudy & warmer. Cleaned over-flow. Freeboard - 7.94 feet. 0.34 going over lip of over-flow. Some 47.0 c.f.s. going o over. Slide areas look good with no apparent change. Seeps running the same and the water is clear.

5/5/82 - Cold & windy - Free-board 7.90 feet from water level in dam and crest of dam.

5/6/82 - Met State Eng. at the dam. He didn't seem to think that there had been any change in the landslide areas. Observed the Big Spring diversion point with State Eng. Rdg 1.40 thru j'Parshall Observed the Himonas diversion point. Est. 20 to 30 c.f.s. going by diversion point. Cleaning over-flow 3 times a day at this time. rt. Fork 3'Parshall - 1.54 - 23.6 c.f.s. - **Ext*x* First diversion 4'Passhall - 1.53 31.3 c.f.s.

5/7/82 - Clear and coll - Put in new boom with Kaiser & City people. Flows dropping because of cooler weather.

5/8/82 - Cloudy & cool - Reservoir free-board 8.05 feet. 0.21 going over lip of over-flow. Cleaned over-flow. Boom working good. No change in conditions of landslides around dam.

5/11/82 - Cludy & Cool. Seeage flows the same and clear. No new slide areas. First diversion 4'Pharshall 18.1 c.f.s.

5/12/82 - Cold & windy k Boom working good. Stream flow down alot. No change in conditions around dam.

5/13/82 - Clear & warm. Over-flow clean. Flows have dropped way way off.

5/14/82 - Stream flows still dropping. Boom working good. No apparent change in landslide areas.

5/ 5/15/82 - Over-flow clean. Cloudy and chance of rain today. Light rain fell in the afternoon. No problem from any increase flows into the dam.

5/16/82 - High clouds & Warmer. Boom in good shape and over-flow is clear of any trash. Nice rain again. No change in conditions around dam.

5/17/82 - Clear & cool. Inflow into reservoir dropping fast. Water is clear. Freeboard 8.18 feet. Seeps look clear and the flows the same. Not much water being used in towns at this time.

5/18/82 - Cloudy & Raining. Drove above dam to took at water shed. No change in conditions around dam. Roads slikk. Boom in good order. Over-flow clean.

5/19/82 - Cloudy & cool. Cleaned voer-flow. Freeboard 8.00 feet Water going over lip of over-flow 0.27 feet. No apparent change in conditions around dam.

0.22 " of rain fell in area.

5/20/82 - Clear & Sunny. Freeboard 8.05 feet. 0.22 going over lip.

Water flows dropping.

5/21/82 - Warmer. No change in conditions around dam. Cleaned overflow.

5/22/82 - Routine Turned more water to towns. Leaves starting to leave out on trees.

5/23/82 - Warmer. Snow starting to move fast. Seep water clear & flows the same. Canyon is starting to green and pretty.

5/24/82 - Pt. cloudy & warmer. Light rain in the evening. No apparent change in condtions amound dam.

5/25/82 - High clouds & Warmer. First diversion 4'Parshall 1.46 - 29.1 c.fs. Right fork 3' Parshall 1.27 17.4 c.fs. No change in condtions around dam.

5/26/82 - Cool & clear. Lock messed up on gate. I put a new one one one. No apparent change in conditons around dam.

5/27/82 - Cloudy & cooler. Cleaned over-flow. Flows dropping off. No change in conditions around dam.

5/28/82 - Routine - Cleaned over-flow. Roads are real rough. Percolation water around dam the same and the water water is clear.

5/29/82 - Routine - Boom working good. Cleaned over-flow. Some & superficial filliding taking place in area of tunnel out-fall. 5/30/82 - Routine - Reservoir still over-flowing. Some superficial sliding taking place along bank near the road on the West side. Cleaned over-flow. Canyon is really green and pretty. 5/31/82 - Routine - Cleaned over-flow. Gate still locked. Water still bein diverted to creek.

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4-20-50	32/	234000	000	841 12/2000
5-22-90	23.0	332367	3572 5080/0	583 84037
06-8-9	78	175959	887 573496	520 749455
6-15-90	15.9	562.807	7830	44.2 636629
8-27-90	24	93929	7 7 7 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	9/80/
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#### Shaver, Dave

From: Warren Monroe [Warren@jonesanddemille.com]

Sent: Thursday, March 03, 2011 12:24 PM

To: Shaver, Dave

Cc: Rusty Netz; Brian Barton; Jeremy Humes; Polly

Subject: Grassy Trail flow data

The historic data I have is from an untitled, unsigned document, 10 pages long, scanned into the Ut. State Division of Water Rights database.

The only heading on the document is "General Remarks". It infers it may have been a supplemental document to a proof, but I cannot be sure of that.

The following is a portion of pages 3,4: "On April 19, 1962, readings were taken at the measuring devices mentioned above, (3' parshall flumes) by Leon Pressett, water master, and the following data were collected: at 2:30 P.M. a reading of 0.86' was taken on the 3' Parshall Flume located in the Left Fork of Grassy Trail Creek above the reservoir indicating a flow of 9.48 cfs in the left fork. At 2:45 P.M. a reading of 1.60' was taken on the 3' Parshall Flume located in the Right Fork of Grassy Trail Creek above the reservoir indicating a flow of 25.10 cfs in the right fork, showing a total flow into the reservoir of 34.58 cfs. (I have verified these 2 flow rates for the depth of head from one of my water measurements manuals). At 2:10 P.M. of the same date, the water level indicator in the reservoir showed the water level in the reservoir to be El. 7607.48, indicating a storage of approximately 758 acre feet at that time. The water continued to rise in the reservoir until about a week later the reservoir overflowed with a storage of about 916 acre feet. There was no water being bypassed from the reservoir into Grassy Trail Creek at the time the flow of 34.58 cfs. was measured from the Left and Right Forks".

The following is a portion of pages 8,9: "On May 1, 1962, Win Templeton, Boyd McKean, Leon Pressett, and Ted Newell took several measurements of water being used"......(measurements are from downstream diversions 4-9, unrelated to the reservoir inflow or storage) "On the same day, water was measured flowing into the reservoir as follows; The 3 foot Parshall Flume in the right fork showed a reading of 1.58 ft. indicating a flow of 24.6 cfs. The 3 foot Parshall Flume in the left fork showed a reading of 1.52 ft. indicating a flow of 23.1 cfs or a total flow into the reservoir of 47.7 cfs."

The results of water measurements of Grassy Trail Creek conducted on Jan. 18, 2011 by myself, assisted by East Carbon personal, approximately midday are as follows: Left Fork .276 cfs. or 124 gpm. Right Fork 2.145 cfs. or 963 gpm. Total inflow 2.421 cfs. or 1087 gpm. It was noted that at this time only 416 gpm of culinary water was going through the water treatment plant to the cities and Co-Gen. There was no evidence of the water level in the reservoir raising on this day, as it should have, based on the inflow and outflow. It is our conclusion that the reservoir is leaking drastically.

I hope this is what you're looking for. I have asked the cities about any other data, and no one has any knowledge of any other record.

If we can be of more assistance, give a shout. Thanks.

Warren Monroe, PLS Jones and DeMille Eng. Inc. Richfield, Utah 84701 435)896-8266 warren@jonesanddemille.com



#### JONES & DEMILLE ENGINEERING

1535 South 100 West Richfield, Utah 84701 Telephone (435) 896-8266 Fax (435) 896-8268

Project: Range Creek Feasibility	Page	1
Location: Grassy trail Water	Date: /	-18-11
Product: Measurements	Ву:	WM
Client: E. Carbon / Synnyside	Checked:	

Made site visit to Grassy trail reservoir this A.M. Aprox. 1,5's now depth. No visible signs of ice heave to reflect water level rising.

Lt. Fork@ Grassy trail creek above reservoir.

A'P CMP = outlet above res. partially silted in. Parshall flume above reservoir washed out, sitting up on bank.

width of flow Z.3' = , depth of flow .10'+.20'+.25'=.55'
.55' +3 = .18 Ave. depth, Ave. width Z.3', Arm 0.414 s.f.

timed travel for a stick to go 2 1.f. inside c.m.P. 3 sec. = 1.5 sec. / 1.f. Area. . 414 s.f. + 1.5= . 276 cfs = 124gpm

## Rt. fork@ Grassy trail creek above reservoir.

3' steel parshall, rocks and gravel partially filled channel and flume. No staff gauge in flume. Determined measuring point by 2/3 convergence length.

depth . 40', but only 75% of the open channel flowing because of washed in gravel.

3' Parshall flume, Q = 4.00 Wha 1.522(w1.026) .4' depth = 2.86 cfs x 75% = 2.145 cfs = 963 gpm Air temp at tradment plant @ IP. N 40° F.

No melting on moutain.

Inflow: Total flow into Res. this A.M. 963 + 124 = 1087 gpm.

Jutflow: Meters at Treatment Plant this P.M. #1 202 apm. #2 214 apm. total 416 gpm

### CONFIDENTIAL INFORMATION

## ARCHEOLOGY REPORT RAPTOR SURVEY INFORMATION

### NOTE TO REVIEWERS:

THE ARCHEOLOGY REPORT AND THE RAPTOR SURVEY FOR THIS SUBMITTAL ARE INCLUDED SEPARATELY IN THE CONFIDENTIAL BINDER

## MAPS

